

20000626.qrp v01\_n864.qrl.20000626

Date: Mon, 26 Jun 2000 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1864

QRP-L Digest 1864

Topics covered in this issue include:

- 1) [73400] Re: Field Day Observation  
by "ptaber" <ptaber@flash.net>
- 2) [73401] Re: Field Day Observation  
by Jim Lowman <jmlowman@ix.netcom.com>
- 3) [73402] Re: All my Bits in a Bucket.  
by Jim Lowman <jmlowman@ix.netcom.com>
- 4) [73403] Re: Newbie question  
by "ptaber" <ptaber@flash.net>
- 5) [73404] WTB Radio Shack DSP  
by Pete Burbank <plburbank@kih.net>
- 6) [73405] Re: Field Day Observation  
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
- 7) [73406] Re: NC-40A PA Replacement  
by Peter Loveridge <peterlov@ihug.co.nz>
- 8) [73407] SMITE Fox hunt 0930est June 25th on 3686.4KHz  
by KG4CRU@aol.com
- 9) [73408] FD 2K Bad Weather?  
by W1R0@aol.com
- 10) [73409] W6ZH Adapter Balun Box  
by Charles K Brown <n4so@juno.com>
- 11) [73410] FD: W9WIS made it through first FD... chk web pg  
by Michael Melland <badger@vbe.com>
- 12) [73411] FD 2000  
by Tim Pettibone <k5oi@zianet.com>
- 13) [73412] Re: Field Day Observation  
by "Mark Hogan" <mhogan@email.msn.com>
- 14) [73413] MFJ-40T xmtr info  
by wb5qyt@eFortress.com
- 15) [73414] Circuit Board Material  
by "Randy Joiner" <biggman@accucomm.net>
- 16) [73415] Summer Fox Hunt: Team Guidelines  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 17) [73416] Saint Louis Tuner  
by "Ron Giuntini" <rong@slip.net>
- 18) [73417] Sale/Trade  
by wb5qyt@eFortress.com
- 19) [73418] Re: NC-40A PA Replacement

- by "David D. Meacham" <ddm@datatamers.com>
- 20) [73419] FD 2000 W0CQC Colorado QRP  
by "Alan Dawkins" <alk0frp@home.com>
- 21) [73420] Re: Field Day Observation  
by "ptaber" <ptaber@flash.net>
- 22) [73421] OT: Antenna Selection Guidance?  
by ARDUJENSKI@aol.com
- 23) [73422] Field day and antenna launchers  
by bob evinger <wd9eka@arrl.net>
- 24) [73423] Re: Antenna Selection Guidance?  
by "ptaber" <ptaber@flash.net>
- 25) [73424] FD 2000  
by "J. Ervin Bates" <w8erv@email.msn.com>
- 26) [73425] SMiTe N4HAY  
by Pete Burbank <plburbank@kih.net>
- 27) [73426] Re: OT: Antenna Selection Guidance?  
by "George T. Baker" <w5yr@att.net>
- 28) [73427] Re: OT: Antenna Selection Guidance?  
by Dave Sjolin <sjolin@swbell.net>
- 29) [73428] k2 to Australia w/ 500Mw  
by ABCQRP <w6abc@yahoo.com>
- 30) [73429] FD/ TO BUG OR NOT  
by hamjoel@juno.com
- 31) [73430] Re: Field Day Observation  
by AdamN7YA@aol.com
- 32) [73431] Web Site and Catalog  
by "A.E.Lake" <RadKit@compuserve.com>
- 33) [73432] sf:few remaining items  
by Scott Howell <n3byy@speakeasy.org>
- 34) [73433] Re: Newbie question  
by "John J. McDonough" <wb8rcr@arrl.net>
- 35) [73434] Update: G3YCC web site  
by "Tom Bowman" <tbowman@nbn.net>
- 36) [73435] Re: Circuit Board Material  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 37) [73436] <http://www.eHam.com>  
by ARDUJENSKI@aol.com
- 38) [73437] Toroids  
by "w8diz" <w8diz@cinci.rr.com>
- 39) [73438] Re: Toroids  
by Jacques Brenkman <pa3evz@casema.net>
- 40) [73439] Re: Circuit Board Material  
by Michael Neverdosky <mneverdosky@earthlink.net>
- 41) [73440] A QRP Field Day  
by Philip Karras <ke3fl@yahoo.com>
- 42) [73441] For CONDO and APT hams ONLY  
by ARDUJENSKI@aol.com
- 43) [73442] RE: Meter Multiplier or Shunt

by "AI2Q Alex" <ai2q@ispchannel.com>  
44) [73443] RE: Meter Multiplier or Shunt  
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>  
45) [73444] Re: OT: Antenna Selection Guidance?  
by "Ron Smith" <resmith666@uswest.net>  
46) [73445] walt amos k8cv  
by medic361@webtv.net  
47) [73446] Newbie question  
by "Gary Lee Phillips" <ka9nzi@arrl.net>  
48) [73447] CD 4060  
by "Henry Knoll" <knoll003@tc.umn.edu>  
49) [73448] Re: OT: Antenna Selection Guidance?  
by Dave Sjolin <sjolin@swbell.net>  
50) [73449] Re: OT: Antenna Selection Guidance?  
by "George T. Baker" <w5yr@att.net>  
51) [73450] Field Day with AL7FS  
by "Morrison, Rick" <rmorrison@trane.com>  
52) [73451] Re: Milliwatt Contest/Exchange  
by Monte Stark <ku7y@dri.edu>  
53) [73452] Re: OT: Antenna Selection Guidance?  
by "Mike Yetsko" <myetsko@insydesw.com>  
54) [73453] Re: Milliwatt Contest/Exchange  
by Bob Patten <n4bp@bc.seflin.org>  
55) [73454] Re: Newbie question  
by Monte Stark <ku7y@dri.edu>  
56) [73455] Old Geezers with Bugs  
by Monte Stark <ku7y@dri.edu>  
57) [73456] Sunlight Energy Systems/Solar Power  
by Charles K Brown <n4so@juno.com>  
58) [73457] Re: MC3362  
by "laura halliday" <marsgal42@hotmail.com>  
59) [73458] Re: Old Geezers with Bugs  
by "J. Ervin Bates" <w8erv@email.msn.com>  
60) [73459] Loaded K-2 For Sale  
by Dan Copeland <n0dt@swbell.net>  
61) [73460] Lightning destroys Field Day QTH  
by Rick Weber <weber@accenttech.com>  
62) [73461] In the mail today  
by "J. Ervin Bates" <w8erv@email.msn.com>  
63) [73462] Re: OT: Antenna Selection Guidance?  
by "Cla KA0GKC" <ka0gkc@arrl.net>  
64) [73463] Re: Field Day Observation  
by Monte Stark <ku7y@dri.edu>  
65) [73464] Information on CMOS III  
by "J. Ervin Bates" <w8erv@email.msn.com>  
66) [73465] RE: Lightning destroys Field Day QTH  
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>  
67) [73466] FIELD DAY 2000 DE W5CGH/W5RIF

by "Bradfield, Brad V." <BBradfield@spectrapoint.com>

68) [73467] Radioshack.com Solar Panels  
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>

69) [73468] Q: stolen rig databases?  
by Russ Thorp <ke6yme@yahoo.com>

70) [73469] circuit board material..  
by "sergio" <sergio@village-buzz.com>

71) [73470] CMOS III information  
by "J. Ervin Bates" <w8erv@email.msn.com>

72) [73471] Re: Old Geezers with Bugs  
by "Francis Callahan" <colcal@srv.net>

73) [73472] RE: FIELD DAY 2000 DE W5CGH/W5RIF  
by "Bradfield, Brad V." <BBradfield@spectrapoint.com>

74) [73473] OT: is history important?  
by GElam30092@aol.com

75) [73474] OT: Whoa pardners!  
by ARDUJENSKI@aol.com

76) [73475] Re: OT: Antenna Selection Guidance?  
by "Scott Hotchkiss" <w4pj@bellsouth.net>

77) [73476] My Little Field Day Operation  
by "Franco, Nicholas J" <franco@bnl.gov>

78) [73477] Re: Information on CMOS III  
by "Marshall Emm" <mgemm@ntechnologies.com>

79) [73478] OT Possibly dumb question but Ham Radio Related  
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>

80) [73479] RE: OT Possibly dumb question but Ham Radio Related  
by "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>

81) [73480] Re: Old Geezers with Bugs [was Field Day observations]  
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>

82) [73481] Re: ZM-1 & ZM-2 Questions  
by Bob Kellogg <ae4ic@nr.infi.net>

83) [73482] Re: Old Geezers with Bugs [was Field Day observations]  
by W1R0@aol.com

84) [73483] New URL- QST Lab Notes  
by "Hare, Ed, W1RFI" <w1rfi@arrl.org>

85) [73484] Re: Old Geezers with Bugs [was Field Day observations]  
by paul taylor <ptay1@miro.bestweb.net>

86) [73485] Concerned about Peer Pressue?  
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>

87) [73486] Re: Old Geezers with Bugs [was Field Day observations]  
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>

88) [73487] Name here is 6o6  
by "Victor Blackwell" <victor@brecnet.com>

89) [73488] RARA FD 2000 (Newbies)  
by "Chuck Carpenter" <w5usj@globeco.net>

90) [73489] Re: AD607  
by "Steven Weber" <kd1jv@moose.ncia.net>

91) [73490] Re: OT: Antenna Selection Guidance?

by "Steven Weber" <kd1jv@moose.ncia.net>  
92) [73491] Re: OT: Antenna Selection Guidance?  
by "Mike Yetsko" <myetsko@insydesw.com>  
93) [73492] Re: OT: Antenna Selection Guidance?  
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>  
94) [73493] Old Geezers with Bugs  
by tom palmer <n1tp@worldnet.att.net>  
95) [73494] Re: Fox Hunt Summer Teams  
by Bruce Rattray <rattray@gpfn.sk.ca>  
96) [73495] Five Band Worked All States QRP  
by tom palmer <n1tp@worldnet.att.net>

-----  
Date: Sun, 25 Jun 2000 17:16:06 -0600  
From: "ptaber" <ptaber@flash.net>  
To: <MAIL4GARY@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [73400] Re: Field Day Observation  
Message-ID: <004d01bfdefb\$807d0de0\$2ce6fea9@taber>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----  
From: Gary McCaughey <MAIL4GARY@worldnet.att.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Sunday, June 25, 2000 2:47 PM  
Subject: Re: Field Day Observation

> Vic Wrote:  
> "no old geezers slapping their blue racers."  
> +++++  
> Personally, I kinda like the "swing" of a good bug operator.  
>

I like the swing of a bug operator too. When you spring the trap on the  
gallows.

Now, I'm not talking about the guy who used to be a Navy telegrapher in the  
Solomon Islands during WWII or the guy who was a railroad telegrapher in  
1928. Those guys are national treasures of CW. But anyone with a birthdate  
after 1925 should have to get written permission from every station on the  
band before they're allowed to open up with a bug.

Nostalgic for the "personal sound?" Miss the days when you could hear just a few characters of code and know it was old Lefty sending? Let's face it, the only way you'd be able to recognize someone by their sending is if their timing is off. Otherwise they'd sound alike. So what people are saying when they miss the "swing" of a bug operator is they miss the days code was uniformly mis-sent. If you got a keyer that mixed 40wpm dits with 4 wpm dahs you'd take it back and demand a refund, if not a horsewhipping of the person who sold it to you.

The history of keying devices shows that we keep moving toward more accurate, easier to send code. Right now, the keyboard is the top of the heap. So, are you telling me you can't tell keyboard operators apart because of uniform sending? I certainly can, but I do it by content -- the guy who always sends BT four times while he's trying to think what to say; the guy who sends R R R QSL FB ON... at the start of every over.

Bugs are really cool Rube Goldberg things. I have a bunch of them -- I love them, but they never get on the air. Unless we'd like to organize "night of the living bug" events where everyone had an excuse for bad sending.

>>>==>PStJTT (W5ABQ)

-----  
Date: Sun, 25 Jun 2000 16:03:56 -0700  
From: Jim Lowman <jmlowman@ix.netcom.com>  
To: victor@brecnet.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73401] Re: Field Day Observation  
Message-ID: <39568FDC.8CE98F7@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Victor Blackwell wrote:

>  
> Forty meters:  
>  
> The phone end of the band sounded like a war. Distorted signals from over  
> driving rigs. Stations not listening before calling CQ. Then arguments  
> broke out. Some stations had four or five stations call and then called CQ  
> some more. It was a mess, bad operators not using their gear properly,  
> power mikes, etc..

Heard a couple of stations calling CQ and obviously not listening long enough for replies. Even the fastest-talking salesman on TV couldn't have dropped

in a callsign with the minimum number of syllables in the phonetics. Sounded like a "SSB beacon." :-)

72 de Jim - AD6CW

-----  
Date: Sun, 25 Jun 2000 16:13:54 -0700  
From: Jim Lowman <jmlowman@ix.netcom.com>  
To: we6w@qsl.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73402] Re: All my Bits in a Bucket.  
Message-ID: <39569232.12B77F0C@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ed Loranger wrote:

> Finally after 20 years of use, my original  
> Weller tip has self destructed over a 2 week  
> timeframe. One day it was fine then Whammo,  
> it looked like swiss cheese.  
>  
> No problem, I thought, I had 15 more tips  
> in a little drawer -- enough for 300 years  
> at the rate this one died....

I had the good fortune to have a friend, who works at a nearby Air Reserve base, share his bounty with me.

A ham of many years himself, he discovered a full box of WTCPT tips of various types, unused and intact in their blister packs, in a dumpster. I must have five or six each of several of the more popular tips, as a result. Well, as my friends in the local QRP club remind me, it should be plenty of tips to assemble all of my unbuilt kits. :-)

I've been out of the Air Force for almost 25 years, but as an electronics installation team chief I remember well that it would be easier to put the toothpaste back in the tube, than to return anything to Supply.

72 de Jim - AD6CW

-----

Date: Sun, 25 Jun 2000 16:45:19 -0600  
From: "ptaber" <ptaber@flash.net>  
To: <wb8rcr@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [73403] Re: Newbie question  
Message-ID: <004c01bfdefb\$7fe5fe00\$2ce6fea9@taber>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: John J. McDonough <wb8rcr@arrl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Sunday, June 25, 2000 3:39 PM  
Subject: Re: Newbie question

>

> There are no stupid questions.

>

The best counter-example I heard for that is, "Officer, don't you think it's a flagrant violation of your duty and the public's trust to give me a warning when I \*was\* in fact speeding?"

-----  
Date: Sun, 25 Jun 2000 19:48:49 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [73404] WTB Radio Shack DSP  
Message-ID: <3.0.32.20000625194846.0068589c@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Please reply direct stating price.  
73 Pete NV4V

-----  
Date: Sun, 25 Jun 2000 20:05:41 -0400 (EDT)  
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>  
To: ptaber <ptaber@flash.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73405] Re: Field Day Observation



On Sun, 25 Jun 2000, ptaber wrote:

What a pompous statement. There are some folks that can use a bug that were born after 1925, and your admonition that permission be given by all on the band is either a feeble attempt at humor or something akin to the Extra class nonsense.

Date: Mon, 26 Jun 2000 12:21:16 +1200  
From: Peter Loveridge <peterlov@ihug.co.nz>  
To: qrp-l@lehigh.edu  
Subject: [73406] Re: NC-40A PA Replacement  
Message-ID: <200006260021.MAA23506@smtp1.ihug.co.nz>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello All,

The Auckland VHF Group (Auckland, New Zealand) has MRF 237 devices on its Trading Table. We can supply these posted airmail to US addresses for US\$5, prefer 2 devices minimum order. I have found that US\$ Bank Cheques are acceptable to our Bank, but the clearance time for foreign cheques is 15 days. This could introduce a delay in the time taken to arrive in the US. If there is interest please reply to me off-list.

Peter Loveridge,  
Treasurer, Auckland VHF Group  
ZL1UKG

At 11:15 PM 23/06/00 -0400, you wrote:

>In addition, I just called RF Parts in California and they DO have the  
>MRF-237 in stock at around \$10/each. They have a \$25 minimum purchase.  
>Additionally, they also stock the MRF260 which can be used also, they  
>are around \$11+.

>

>73 Rich K7SZ

>

>AA3BP@aol.com wrote:

>>

>> Thanks, Rich!!!

>>

>> Jim, AA3BP

>>

>> In a message dated Thu, 22 Jun 2000 9:22:00 PM Eastern Daylight Time,  
Richard Arland <k7sz@epix.net> writes:

>>

>> << HI Jim:

>>

>> MRF-237 is the puppy...hard to come by according to the two guys who  
>> answered my query. If I find a source, I'll advise.

>>

>> 73 Rich K7SZ

>>

>> AA3BP@aol.com wrote:

>> >

>> > Rich,

>> >

-----

Date: Sun, 25 Jun 2000 20:21:30 EDT  
From: KG4CRU@aol.com  
To: qrp-l@lehigh.edu, klqrp@waterw.com  
Subject: [73407] SMITE Fox hunt 0930est June 25th on 3686.4KHz  
Message-ID: <15.5a6d014.2687fc0a@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Look for N4hay as SMITE Fox on June 25th around 3686.4Khz.

Transmitting and receiving on a Smite at 200Mw into an inverted Vee at 50ft.

See you in the hunt!

72 de Dick N4HAY

-----  
Date: Sun, 25 Jun 2000 20:23:53 EDT  
From: W1R0@aol.com  
To: qrp-l@lehigh.edu  
Subject: [73408] FD 2K Bad Weather?  
Message-ID: <17.75c0cc2.2687fc99@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Well, having read most of the FD observations I find the usually discussion of speed, bugs, keyboards, (nothing on straight keys). I was fortunate enough to work stations from 5 to 30 something (too fast for me but I got em). I did ask several of the higher speed ops to slow down. They were all nice enough to comply.

I only saw one mention of weather. Hope you all had great conditions. In Las Vegas around noon we got hit with a dust storm so bad we couldn't see 50 Feet. It lasted about 40 minutes. We put our backs to the dust and continued.

The AES store here let us use an Icom 756PRO that arrived black and left a sort of tan dust color and full of dust. The dust didn't stop any of our radio's. Then around 1400 (local) lightning hit the ground within a 1/4 mile east of the antenna field. We shut down for about 20 minutes to make sure the lightning had moved off.

Any day at ham radio is better than a day at work.

Sorry if I rambled.

Jim

W1R0/7

Field Day call was N7W.

-----  
Date: Sun, 25 Jun 2000 19:46:55 -0500  
From: Charles K Brown <n4so@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [73409] W6ZH Adapter Balun Box  
Message-ID: <20000625.194655.3902.3.n4so@juno.com>

Ladder-line to coax is a 4 to 1 Balun.  
Adapting ladder line to a coax-only station.  
Sold by LDG Electronics.  
BA-1 4:1 Balun Box  
\$25  
Some manufactured tuners may have this built in.

QST May 2000, The Doctor Is In, page 46 explains  
the theory.  
LDG Electronics, 1445 Parran Road, St. Leonard, MD  
20685  
410-586-2177  
ldg@radix.net  
<http://www.radix.net/~ldg>

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal 20 at 5 watts  
4 element mono. yagi

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Sun, 25 Jun 2000 20:15:18 -0500  
From: Michael Melland <badger@vbe.com>  
To: qrp-l@lehigh.edu, njqrp@njqrp.com, secondclassopsclub@egroups.com  
Subject: [73410] FD: W9WIS made it through first FD... chk web pg  
Message-ID: <3956AEA6.E88F1E78@vbe.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well..... my first Field Day is done..... while I didn't operate today at all I had a blast and learned lots. I've updated my web page with a little info on how my operation went between rain drops and mosquitos. Please check it out if you are so inclined - url in sig line.

Thanks !

--

Michael Melland, W9WIS  
Winneconne, Wisconsin, USA  
FISTS #4387, 10-10 #69281, QRP-L #1656,  
QRP-ARCI #9875, AK/QRP #478, NorCal, RC #252  
NJ-QRP #214, SOC #142, Cheeseheads QRP Club  
List Administrator: grundig@qth.net  
<http://www.vbe.com/~badger>

-----  
Date: Sun, 25 Jun 2000 19:44:56 -0600  
From: Tim Pettibone <k5oi@zianet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [73411] FD 2000  
Message-ID: <3.0.5.32.20000625194456.007c74b0@zianet.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I'm pooped! Just got back from Sunspot NM where we had a joint operation, W5GB ("whiskey five green bannanas") between the Mesilla Valley Radio Club and the NMSU Ham Radio Club (W5GB is their call). I know I worked a bunch of you out there. The operation was 2A and was QRP. Karl Larsen (K5DI - yes it is confusing!) and I did most of the CW operating with a little last minute help from Karl Hess (WF5A). By the time I got up to the site (about 10 minutes before start time) K5DI had his TS50 all set up so my still incomplete K2 stayed in the box as a backup rig. For the CW station we used a 3 element tribander up 30 feet (on a RS push up mast) rotated using the famous and expensive ARMSTRONG method for turning. On the lower bands we used an 80m dipole fed with 450 ohm leader. It's apex was up about 20 feet. K5DI kept the log information but we worked all WARC bands from 80m to 10m. Ten was a big disappointment. I think we had about 400+ cw Qs, total, when the end rolled around. Better than last year but I'll bet someone out there beat us anyway! The ssb crew didn't do as good but got about 200 Qs I think.

Since only Karl and I did CW we split the night time. I worked until about 3:30am and Karl took over. At 6 am I couldn't stand it anymore and went

back to my hunting and pouncing routine. We had the latest version of CT operating and it really helped. But now I'm very sleepy so good night all. Hope you had as good a time as I did!

Tim K5OI  
QRP-L# 73  
K2 # 63

-----  
Date: Mon, 26 Jun 2000 02:04:30 -0000  
From: "Mark Hogan" <mhogan@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [73412] Re: Field Day Observation  
Message-ID: <00a101bfdf12\$de398460\$9ee90181@cityweb.gov>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> > Bugs are really cool Rube Goldberg things. I have a bunch of them -- I love  
> > them, but they never get on the air.

Hey if you never use them and they are just collecting dust how bout listing them so some of us new buggies could get some use out of them. I for one don't send any worse with a bug or those stupid twin paddles, as for the keyboard until they tell me where all the little letters are I could never send as fluent with one as I can with the bug.

Mark Hogan N50BC  
SST-40 / 38s Speed-X Bug  
NC-20 / FT847 NorCal Keyer  
Zombie 660, SOC 185, G-QRP 4972, all that junk...

-----  
Date: Sat, 24 Jun 2000 13:33:18 -0600  
From: wb5qyt@eFortress.com  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [73413] MFJ-40T xmtr info  
Message-ID: <39550CFE.7C3D@eFortress.com>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

Just inherited the above xmtr circa 1976. I think it is the rig that put MFJ on the map in it's early days.

Anyone have the doc's for this rig? Also, I remember they made a companion VFO for this rig and I would sure like to find one.

The rig puts out 3 watts and is xtal controlled. Has a very nice clean note. Was fun for a change using a separate rec and xmtr.

Sure would like an MXM receiver kit. Can they still be had? If so, point me in the right direction.

72, Tom WB5QYT...."Have spud will travel!"

-----  
Date: Sun, 25 Jun 2000 22:29:40 -0400  
From: "Randy Joiner" <biggman@accucomm.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [73414] Circuit Board Material  
Message-ID: <001801bdfdf16\$62725d80\$c4819bce@accucomm.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Does anyone have a good (inexpensive) source of good quality blank circuit boards? I hear hamfest are a good source. I don't get to them very often and haven't seen any at the past 3 I've been to, so I figure that route is out for me. Any and all help appreciated.

Randy N4SX

-----  
Date: Sun, 25 Jun 2000 20:32:35 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [73415] Summer Fox Hunt: Team Guidelines  
Message-ID: <Pine.LNX.3.95.1000625202022.11837B-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

\*\*\*\*\*

Hello everyone!...here are the Team Guidelines for the Summer Fox Hunt which runs from July to Sept this year...when you have your Team of 5 stations formed please send me an e-mail so I can include you on the Official Teams roster...

.72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

\*\*\*\*\*

..guidelines for year 2000 Summer season...

\*\*\*\*\*  
- TEAM GUIDELINES for the 20 mtr Fox Hunt -  
\*\*\*\*\*

Version 1.0

The main idea of the Team competition, is to have FUN, post tall tales after each hunt and to keep your CW fist loose!

- each Team will consist of 5 stations.
- obviously there will be times when some stations cannot make the fox hunt for various reasons...don't sweat it as that's the way the slippery seaweed sloshes...there could be an excellent belly-laughing tale here to be told on QRP-L and QRP-C for the entertainment of all!... ;-))
- scoring is the total NUMBER OF PELTS SKINNED AND ON THE WALL by each Team hunter as indicated in the posted fox logs.
- the winning Team will receive the love and adoration of fellow hunters and foxii!.... ;-) ...and bragging rights of course!
- I would appreciate it if all foxii would send me their final log direct so I can tally the Team scores after each hunt...

"So it was said; so let it be done" and good luck to all!!

- 72 - Bruce(VE5RC+VE5QRP) QRP-L#886 QRP-C#1



-----  
Date: Sun, 25 Jun 2000 19:50:42 -0700  
From: "Ron Giuntini" <rong@slip.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [73416] Saint Louis Tuner  
Message-ID: <005801bfdf19\$52482720\$2810b9d8@rongiuntini>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

How much rf power can it handle? Is it ok to put 25 watts through it?

-----  
Date: Sat, 24 Jun 2000 14:02:17 -0600  
From: wb5qyt@eFortress.com  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73417] Sale/Trade  
Message-ID: <395513C9.5E2E@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang,

FS: MFJ RF NOISE BRIDGE...30\$ CONUS

Trade: Have 3 xmtrs...2 ea. 40m  
          1 ea. 30m

Wanted: 40 m receiver...maybe a MXM rec kit?

Thanks for the BW....72, Tom WB5QYT...."Have spud will travel!"

-----  
Date: Sun, 25 Jun 2000 19:56:04 -0700 (PDT)  
From: "David D. Meacham" <ddm@datatamers.com>  
To: Richard Arland <k7sz@epix.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [73418] Re: NC-40A PA Replacement  
Message-ID: <Pine.LNX.3.96.1000625195336.15235A-1000000@dt1.datatamers.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Rich & Gang,  
The MRF-260 is not exactly a drop-in replacement. I used it in my 5W Mod  
article in QRPp for March, 1995, Page 6.  
72, Dave, W6EMD

-----  
Date: Sun, 25 Jun 2000 19:32:45 -0600  
From: "Alan Dawkins" <alk0frp@home.com>  
To: <qrp-l@lehigh.edu>  
Subject: [73419] FD 2000 W0CQC Colorado QRP  
Message-ID: <000901bfdf0e\$6e16fe00\$0500a8c0@c633484-b>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

WOW  
Good Condx  
Novice stn Kicked B\_\_T  
VHF great 6m opening  
2102 q's 2A C0 16,920 pts before bonus points  
Could be a record in 2A  
Have to check  
We were going 3a but changed b4 the start  
855 q's 80/20/10m stn  
717 q's 40/15m  
367 q's 2/6m/432/1.2g  
160 q's novice 10m ssb 40m cw KA5WET Donna  
16,820 b4 bonus points

3 el 10m 20 ft + 8000 ft elevation  
4 el 15m 40 ft + 8000 ft "  
4 el 20m 50 ft + 8000 ft "  
2 el 40 delta loop 50 ft apex  
2 el 80m delta loop 70 ft apex on aluminum tower  
Tribander novice 25 ft  
6m 6 el 21 ft boom  
2m 11 el 12 ft boom  
432 13 el

1.2 gig 10 ft boom bunch of el

Al K0FRP FD chairman, VP Colorado QRP Club

-----  
Date: Sun, 25 Jun 2000 21:03:54 -0600  
From: "ptaber" <ptaber@flash.net>  
To: <baltimoremd@baltimoremd.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [73420] Re: Field Day Observation  
Message-ID: <003301bfdf1b\$2c2fbba0\$2ce6fea9@taber>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

From: <baltimoremd@baltimoremd.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Sunday, June 25, 2000 6:05 PM  
Subject: Re: Field Day Observation

> What a pompous statement. There are some folks that can use a bug that  
> were born after 1925, and your admonition that permission be given by  
> all on the band is either a feeble attempt at humor or something akin to  
> the Extra class nonsense.

>

[and]

> Using your logic, we should all vote on whether or not someone can  
> communicate using one of the many regional dialects.

Oooh. Caught you in a humor-free moment, eh? Hey, look, as far as I know, my petition to have bug operators get written permission hasn't been acted on, so you're safe, OK? Maybe someone with a long memory can attest to the fact the I (formerly KC1TD) have a long history of loathing bug operators (with the exception of those who can actually use them. The Few. The Far Between. The damn-sure-ain't-in-their-20's.) And if you're the person born after 1925 (well before my time, I might add) who can use a bug, then py yiminie (to use a dialect without a quorum present) you do it.

I skip the usual jokes that people who use bugs are engaging in BUGgary or that they went out with the hose and BUGgy. Do what makes you happy within the limits of your license. I'm afraid I missed the Extra class nonsense, whatever that might have been -- this isn't a license-related slam.

> Sounds like you're afraid to get on the air with one of your  
> bugs...perhaps it would be wise not to ascribe personal shortcomings to  
> others.

Nah. I have no fear. I just have too much courtesy. I know what my code  
sounds like on a bug off-the-air. And until it sounds as good as a keyboard,  
I'm not likely to plug it in.

Maybe smiley faces would have helped out? Here: ;-) ;-)

>>>==>PStJTT (W5ABQ)

-----  
Date: Sun, 25 Jun 2000 23:09:35 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [73421] OT: Antenna Selection Guidance?  
Message-ID: <4e.7664479.2688236f@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Over the past several years I have noted that many folks seem to meander  
around looking for the BEST antenna for their location. This site appears to  
be the best for getting straight forward info. If any of you have visited the  
rec.radio.amateur.antenna NG you will see that that is in most cases of  
little or no value.

It would seem that either thru ARRL or some other enterprising group a  
service could be offered whereby a person filled out a questionnaire with info  
regarding real estate, limitations, restrictions, bands worked, DX or  
local, contest working, financial limitations, etc and for a reasonable fee  
get a recommendation back for a listing of antennas that best meet his or  
her needs.

So often I see folks not having the background to ask the right questions and  
well meaning folks not supplying the complete answers. Now most of us have  
resources to access LB CEBIK's site, dozens of reference books on our  
shelves, old magazine articles. Some folks don't have this available or the  
patience to weed thru all the info. Heck I still don't really know if a  
inverted vee with an apex at about 33 feet is better than a ground mounted  
BUTTERNUT with minimal radials.

For newer hams and seasoned ops, it seems this would be a big plus Heck I

still see recent articles discussing using tuned ground radials. Mixing dbi and dbd is still a common practice (or mis practice)

The point of this topic was to see if I may be in a majority of one or if such a service by those \*experts\* could be a real service to the ham community.

I hope not to offend the purists in the group that says EXPERIMENT, I support that route. But some folks may not have the finances nor the expertise nor the patience nor access to lots of discussions that have taken place over the past several years.

Heck maybe this already exists and I just missed it. Hey how many posts do we see folks asking what is the best antenna for them?

Alan KB7MBI

-----  
Date: Sun, 25 Jun 2000 22:43:21 -0500  
From: bob evinger <wd9eka@arrl.net>  
To: qrp <qrp-1@lehigh.edu>, wvara <wvara@butler.indiana.net>  
Subject: [73422] Field day and antenna launchers  
Message-ID: <3956D159.E7AB42AB@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, I didnt make a showing at field day. I spent late saturday evening setting up my wrist rocket to mount a fishing reel to it so I could avoid climbing a tree to install some experimental long wires.

The slingshot worked great, but after getting the fishing line over the limb I wanted on the first try and getting the weight down to the ground on the other side. I found out that the spool of rope I was going to use, didnt have enough on it. Bummer :(

Tried to pull the wire up directly. I was using 14 gauge stranded and insulated house wire. I know it was going to stretch but this was too be a temporary thing to see if it was worth ordering the copperweld and besides, I already had the wire.

To make a long story short, the fishing line broke when I tried to pull the wire across the first limb. Oh well, Lost half of my line so I have to go to town and get some more fishing line and some rope. Try, try again.

Hope everybody had a good field day.

72

bob

--

Bob Evinger WD9EKA Marshall, Illinois  
If Guns Cause Crime, Then Matches Cause Arson.

-----  
Date: Sun, 25 Jun 2000 21:56:16 -0600  
From: "ptaber" <ptaber@flash.net>  
To: <ARDUJENSKI@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [73423] Re: Antenna Selection Guidance?  
Message-ID: <000901bfdf22\$7b132e80\$2ce6fea9@taber>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I don't know of such a service, but I would recommend William Orr's The Radio Amateur Antenna Handbook as being a good reference that addresses the questions you mention in a readable way. He provides sanity checklists for comparing antenna types, discusses antenna location and emphasizes getting the most from the antenna you have rather than wishing you had something else. A good read and possibly at your local library (it's at mine,) so the cost is reasonable even for those whose budget is somewhat less than the rest of us jet-setters on QRP-L.

>>>=>PStJTT (W5ABQ)

-----  
Date: Sun, 25 Jun 2000 23:58:28 -0400  
From: "J. Ervin Bates" <w8erv@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [73424] FD 2000  
Message-ID: <012f01bfdf22\$ca2d1ee0\$f427113f@win98>

Hi Gangue!

What a RUSH! Homebrew coaxial dipole cut for 80m, which played FB (10-80), my TS 870 hummin along at warp speed and my new generator getting the workout it so desperately needed.....what coulda been better?

Oh, I know what could be better-this was my first FD where I worked the entire contest! I got a couple hours sleep, as the other team did their part, but we kicked some serious stuff, despite the poor band conditions on 20 in these parts, logging 315 contacts by the end.

The last several years I am told we had lackluster performance on Phone, mostly because nobody stayed up, so I got some night owls and we DID stay up! :- ) 80m was crankin' and it was a ton of fun.

Only took three tries with my new flingshot to get the apex in the air and that antenna performed like a store-bought model! Am I rambling? I guess I am, but when I hit the sheets, I can rest, knowing we did the best we could. I think the CMARC group, in total, logged somewhere around 1400Qs at 4A. That CW station contributed some 500 on their own, so that was good.

A little rain, no thunder last night. Then, about 12:30pm, the news crew from our local TV station showed up and did an interview with yours truly. Following that, the Lansing State Journal arrived for another interview. I can't wait til 2001.....and I think I may find a few people to work some QRP with me next year-only it will be dedicated CW this time!

Pleasant dreams, all.....

ZZZZzzzzzzzzzzzzz Erv W8ERV

HamFair2000 is coming...ask me about it!

"Dare to Dream-It Sets Your Spirit Free!"

-----  
10-10# 70639 - QRP-ARCI# 9702 - SOC# 41  
QRP-L #1569 - NorCal Zombie #236 - Worked All  
El Paso #033/1999 - Member, MI DX Assn.  
MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL  
Rag Chewers' Club - WAC -

-----  
Date: Mon, 26 Jun 2000 00:12:59 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [73425] SMiTe N4HAY  
Message-ID: <3.0.32.20000626001255.0068ab00@kih.net>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I heard him at first but s-9 atmospherics here in KY.  
About 119 RST +ESP QSB. N4ROA was strong.  
One thing that is interesting is that 40 meter foxes often get stronger  
over time but the 80M SMiTes get weaker or totally disappear.  
I think I got a QRZ out of him but that's about it. 80 is a  
tough band in the summer.  
Hopefully everyone is girding up their loins (whatever that means},  
for the 20M foxhunt.  
73 to all  
Pete NV4V

-----  
Date: Sun, 25 Jun 2000 23:16:50 -0500  
From: "George T. Baker" <w5yr@att.net>  
To: ARDUJENSKI@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73426] Re: OT: Antenna Selection Guidance?  
Message-ID: <3956D932.A7845CDE@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

One of the major challenges over my fairly lengthy amateur radio career  
has been to study and learn and try and try again so as to accumulate the  
store of knowledge and experience that you propose now become instantly  
available "for a fee."

If we are to just fill out questionnaires and have some "expert" tell us  
what to do - and presumably how to do it - what is the point of even  
doing amateur radio at all? Are we really through with learning and  
self-teaching and hitting the books, and trying first this and then that,  
etc.? Is working to learn and then working to try just too much to ask  
these days? Has patience taken on such a value?

Sorry if I sound like an old grouch, but I guess I just don't follow the  
logic on this one.

72/73, George  
Fairview, TX 30 mi NE Dallas in Collin county  
Amateur Radio W5YR, in the 54th year and it just keeps getting better!  
R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

ARDUJENSKI@aol.com wrote:



> It would seem that either thru ARRL or some other enterprising group a  
> service could be offered whereby a person filled out a questionnaire with info  
> regarding realestate, limitations, restrictions, bands worked, DX or  
> local,contest working, financial limitations, etc and for a reasonable fee  
> get a recommendation back for a listing of antennas that best meet his or  
> her needs.  
>

-----  
Date: Sun, 25 Jun 2000 23:42:45 -0500  
From: Dave Sjolín <sjolin@swbell.net>  
To: ARDUJENSKI@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73427] Re: OT: Antenna Selection Guidance?  
Message-ID: <3956DF45.DF1F503D@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

ARDUJENSKI@aol.com wrote:

>  
> Over the past several years I have noted that many folks seem to meander  
> around looking for the BEST antenna for their location. This site appears to  
> be the best for getting straight forward info. If any of you have visited the  
> rec.radio.amateur.antenna NG you will see that that is in most cases of  
> little or no value.

Maybe they should put up something and get on the air rather than  
looking for perfection.

Qrp-1 is a good location for antenna info. A good example is attached at  
the conclusion of this post. I wouldn't be so hard on the antenna NG.  
There is great info available there if you take the time to read it. If  
you can avoid all the Fractal mess, you will find a lot of info weekly  
on EDZ, Half squares, Loops, G5RV's, Windoms, verticals, etc. You will  
also learn what antennas to avoid like the R-7 and R-7000 and a number  
of others.

> It would seem that either thru ARRL or some other enterprising group a  
> service could be offered whereby a person filled out a questionnaire with info  
> regarding realestate, limitations, restrictions, bands worked, DX or  
> local,contest working, financial limitations, etc and for a reasonable fee  
> get a recommendation back for a listing of antennas that best meet his or  
> her needs.

ARRL wont do it if they have to recommend a manufacturer because that

wouldnt be fair to their advertisers.

Forget the fee. Anyone who cant buy or borrow an antenna book by W1FB or even K7YA's new qrp book, isnt going to shell out money for a recommendation.

Heck I still don't really know if a  
> inverted vee with an apex at about 33 feet is better than a ground mounted  
> BUTTERNUT with minimal radials.

It depends. On what band? Are you primarily interested in working stateside or dx? What is your soil like or is it sand? How noisy is the location? (cant work them if you cant hear them)

> Heck maybe this already exists and I just missed it. Hey how many posts do we  
> see folks asking what is the best antenna for them?

Maybe a link to Antenna info as well as "best rig to build" link should be placed at bottom of each post so newbies could find the info without having to ask it a new each week.

This is the best recap I've seen. It's available on the Norcal Web Site and should be in the qrp-l archives as it appeared here first.  
73 de Dave, N0IT

### Some Rules of Thumb for Beginners

by James R. Duffey KK6MC/5,

Every now and then somebody asks the list for antenna suggestions. Quite often these people asking are beginners who are afraid of making the wrong choice. In order to help QRPers choose antennas wisely I have compiled a few "rules of thumb". As with any rules of thumb, these are general and there are some exceptions to them. A few may be somewhat controversial and I am sure alternate views will be given by those with opposite views. However I intend these guidelines to point one in the right direction rather than providing a detailed map of what to do.

1. Any antenna is better than no antenna. Rather than agonizing over an antenna choice, just put one up and operate. After operating with it for a while you will become aware of your operating habits and the shortcomings of the antenna you have erected. That will give you some hints as to which direction you should go with another antenna. You can loose 1/2 of your power in poor antenna system efficiency and only be down an S unit or so. I hear lots of S9 QRP stations. They would still

make fine QSOs at S8. I am not advocating antenna inefficiency, but you can live with it. It is better than no antenna at all.

2. Higher antennas generally out perform lower antennas. A vertical on the roof of a one story house is probably a better choice than one on the ground in the backyard. A dipole whose end is tied to a 5 or 10 ft mast on top of the house will out perform one whose end is merely fastened to the eave.

3. Most people will be happier with a low dipole than with a vertical. Verticals require a bit more attention to work effectively and beginners can become frustrated in dealing with ground issues.

4. It pretty much doesn't matter what kind of copper wire you use in an antenna. Thick or thin, insulated or bare, stranded or solid, they will all perform fairly well. Any effects due to these characteristics will be "second order". The old formula for cutting a half wave dipole,  $468/\text{frequency (in MHz)}$ , may be a bit different for various combinations, but this formula is only an approximation anyway.

5. Whatever antenna you chose, if it is fed with coaxial cable you should use a choke balun. This will prevent the feedline from becoming part of the antenna which can cause all sorts of problems. There are many designs to chose from. My favorite is an air core balun wound from coax. These are described in the ARRL Handbook and in the ARRL Antenna Book. You don't have either? Then,

6. Purchase a Handbook or ARRL Antenna Book and study it. Antennas don't change much, so even an old copy of the Antenna Book will be very useful. These show up at Ham Fests occasionally. You can also special order ARRL publications from good bookstores.

7. Outdoor antennas perform better than indoor ones. If all you can erect is an indoor antenna, fine, but try to see if there is a way to get up an antenna outside. A thin wire supported an inch or more away from the building will be much better than one inside. If you can dangle a wire out a second story window, feed against a counterpoise, that will be a pretty good antenna.

8. Don't scrimp on feedline. Good, low-loss feedline does not cost much more than the antenna it is feeding.

9. Most single band antennas can be made into multiband antennas by feeding them with a balanced feeder like window line and using a tuner. This applies to loops as well as dipoles. For an

inexpensive low loss tuner see Cecil's method of changing the feed line length to achieve a match:

<http://www.geocities.com/CapeCanaveral/8476/>

10. If you have antenna restrictions consider a temporary antenna. The SD-20 Blackwidow Crappie Pole can be erected with a wire of choice to make a vertical in a matter of seconds. With a few radials or a chain link fence as a ground, this can give a good account of itself. If somebody complains about it take it down and next time erect it where they can't see it.

11. Consider your operating practices in choosing an antenna. If you can only operate in the evening, then even a high 10 M antenna will not provide you with much operating time. The band will usually be dead after sunset. On the other hand, a 40 M dipole will provide you with a number of contacts late into most evenings. It can also be used on 15 M for those occasions when you can operate during the day.

12. Avoid the temptation to "have it all". Multiband antennas are often attractive to new comers. So are electrically "small" antennas. They are by necessity compromises, and usually don't work as well as single band antennas. I suggest erecting a single band dipole and using it for a while. As you get used to operating or have desires to try out other bands you can erect another antenna, or feed the one you have (if it is a dipole) with ladder line for multiband use. You can build and feed a lot of single band dipoles for the price of an R-7000!!

13. Homemade antennas are better than commercial ones. Ask anyone on the list who has built one!!

I hope that someone finds this useful. See you on the air. - Dr.  
Megacycle KK6MC/5

-----

Date: Sun, 25 Jun 2000 23:13:30 -0700 (PDT)  
From: ABCQRP <w6abc@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [73428] k2 to Australia w/ 500Mw  
Message-ID: <20000626061330.6384.qmail@web2103.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi all,

I know this kind of report is old hat by now, but it still makes me do the Happy Dance when this happens. I worked AX3CB-Special Olympics Callsign (VK3CB) in Victoria, Australia tonight on 20 meters with the K2 on SSB using only 500 Mw.

I got right through a pileup (on my first call) and was given a 5/9 report with very good audio.

I haven't figured out the miles per watt but really, It doesn't make any difference to me. It is just a kick to be able to do it.

I can't wait until my K1 kit arrives!

(By the way the antenna was the Force 12 C4SXL at 60 feet)

72,

Jack W6ABC in Oakland

-----  
Do You Yahoo!?

Get Yahoo! Mail - Free email you can access from anywhere!

<http://mail.yahoo.com/>

-----  
Date: Sun, 25 Jun 2000 23:18:53 -0400

From: hamjoel@juno.com

To: qrp-l@lehigh.edu

Subject: [73429] FD/ TO BUG OR NOT

Message-ID: <20000626.022607.-375049.1.hamjoel@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

HIGH Y'all

well I actually worked fd from the house using battery power and my qrp+ and elecraft K2 xmtrs... was mucho fun....didn't work long or log what I worked... however I made lots of contacts in cw and ssb and had fun, fun, fun, ...

As to bugs and perfect electronic cw...

first off... an't nuttin perfect.... everything has a + and - calibration so that shinny knew computer an't sending perfect code.... and that's a fact....

Secondly... to assume that one can not tune a bug to make the proper ratio in it's dits is to be mistaken...

I guarantee u ... u take a 'lectronic keyer and run ur code together or space differently between certain characters u done got u self a "SWING" 'lectronic style...

except for the keyboard u be talking skill and there be skilled ops out there that would make u wonder what u be listening to.... (it takes skill

to learn to type and use a cw program, sry my oversight)

MOST IMPORTANTLY my Cajun Mama done taught me there be room for all kinds and modes and the meaux skilled one is, the meaux one can copy the less than perfect cw (that's different than urn less than perfect cw) that's out there... the less skilled one be the more difficult it be.....

So I suspect I won't be chatting with some of new out thair on cw.... would my cajun drawl disqualify me on fone also???

ke1la joel

in maine

imperfect.... with lots of company :-)

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 26 Jun 2000 03:33:19 EDT

From: AdamN7YA@aol.com

To: qrp-1@lehigh.edu

Subject: [73430] Re: Field Day Observation

Message-ID: <7e.6bcee4d.2688613f@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

In a message dated 6/25/2000 5:05:34 PM Pacific Daylight Time, baltimoremd@baltimoremd.com writes:

<< 1928. Those guys are national treasures of CW. But anyone with a birthdate  
> after 1925 should have to get written permission from every station on the  
> band before they're allowed to open up with a bug. >>

I only use a bug, never used a paddle or keyer...the bug dates from the early 20's. and this weekend i used a straight key...i got no complaints from anyone about my sending all these years....and i was born in 1966, do i need to turn my bug in?

I think its like being a guitarist as opposed to a computer musician...both need skills to get good at it, and both have those that arent very good at it no matter what. and there will always be those that dont like the music they produce, but both will find at least SOME audience....you only get better by practice and a love for playing (i.e. operating).

simple solution if you dont like how someone is sending....keep on tuning.

72/73/74...Adam, N7YA

Las Vegas, NV...Zone 03

QRP-L #1608, SOC #143, Y Guy #2  
Code Warrior #76, Hamusician #1

-----  
Date: Mon, 26 Jun 2000 05:36:36 -0400  
From: "A.E.Lake" <RadKit@compuserve.com>  
To: List <qrp-l@lehigh.edu>  
Subject: [73431] Web Site and Catalog  
Message-ID: <200006260536\_MC2-AA22-A0AD@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
          charset=ISO-8859-1  
Content-Disposition: inline

The web-site for Lake Electronics has now been updated to co-incide with the issue of our new catalogue.

Same address:           <http://ourworld.compuserve.com/homepages/radkit>

A completely new site is being produced and, hopefully, will surface soon=  
!

73,    Alan,    G4D VW

-----  
Date: Mon, 26 Jun 2000 05:41:37 -0400 (EDT)  
From: Scott Howell <n3byy@speakeasy.org>  
To: qrp-l@lehigh.edu  
Subject: [73432] sf:few remaining items  
Message-ID: <Pine.LNX.4.20.0006260538250.5825-100000@n3byy.yi.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I still have the dk9sq loop antenna at \$65 shipped.  
Antenna is in excellent condx and has seen only a few hours of use.

I also still have the APC netups Pro 420 ups unit.

I'll post the cable and other items I have remaining once I've had a chance to drag it out and measure what I have.

I also still have a Ringo Ranger adjustable from 2M to 6M.  
This is the little fella not the big one.

tnx es 72/73 de Scott/n3byy

-----  
Date: Mon, 26 Jun 2000 06:50:07 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: <ptaber@flash.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [73433] Re: Newbie question  
Message-ID: <008f01bfd5d\$4387f780\$010044c0@Conor.baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: ptaber <ptaber@flash.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Monday, June 26, 2000 12:02 AM  
Subject: Re: Newbie question

>The best counter-example I heard for that is, "Officer, don't you think  
it's  
>a flagrant violation of your duty and the public's trust to give me a  
>warning when I *\*was\** in fact speeding?"

I stand corrected.

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

-----  
Date: Mon, 26 Jun 2000 07:39:41 -0400  
From: "Tom Bowman" <tbowman@nbn.net>  
To: "QRP-L" <qrp-l@lehigh.edu>, "Tony, G4WIF" <g4wif@btinternet.com>, "Paul  
Harden, NA5N" <na5n@rt66.com>  
Subject: [73434] Update: G3YCC web site  
Message-ID: <LPBBKNNCCFBPAKMPADLJMEPDDMAA.tbowman@nbn.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit



Just a quick update.

You might want to take a look at the G3YCC web site at

<http://users.nbn.net/~tbowman>

I placed a web page credit line in red at the top left of each page. This way, visitors will know those pages written by Frank.

Also, note the information on Vackar and Seiler oscillators I added this weekend.

73,

Tom, WA3REY

-----  
Date: Mon, 26 Jun 2000 08:57:50 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l <qrp-l@Lehigh.EDU>  
Subject: [73435] Re: Circuit Board Material  
Message-ID: <000d01bdfd6e\$24f90780\$2d0a05cc@rochester.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

> Does anyone have a good (inexpensive) source of good quality blank circuit  
> boards? I hear hamfest are a good source. I don't get to them very often  
> and haven't seen any at the past 3 I've been to, so I figure that route is  
> out for me. Any and all help appreciated.

Randy,

If you're in or near a large city, there may be a circuit board fabrication company or two. They may have scraps that you could acquire for cheap / free.

Also, check with electronic surplus houses. They may have beat you to the circuit board company's dumpster. (Grin)

Dave

-----  
Date: Mon, 26 Jun 2000 09:02:37 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-l@lehigh.edu  
Subject: [73436] <http://www.eHam.com>  
Message-ID: <6d.5ab41f8.2688ae6d@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

If you have not had the opportunity to visit eHam.com you may want to take a moment out of your busy schedule. In particular is a REVIEWS section where you can see feedback on items ranging from ANTENNA BALUNS to WORKBENCH EQUIPMENT. There are some comments on QRP items and rigs. This may be a good place to add alot of the comments on rigs,etc. that routinely appear on the list.

Alan KB7MBI

-----  
Date: Mon, 26 Jun 2000 09:07:09 -0400  
From: "w8diz" <w8diz@cinci.rr.com>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [73437] Toroids  
Message-ID: <004901bfdf6f\$6f85b220\$1461a518@cinci.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anybody know the "cheapest" place to buy FT37-61, FT37-43 and T37-6 toroids?  
I need several hundred of them for "kits".

I used to buy them from <http://www2.wcoil.com/~buckeye/>  
but they are out of them and will no longer be selling toroids.

tnx

73 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W  
FPqrp-1 SOC-8 DLQRPAG-1454 ARCI-10226 QRPL-1998 10X-9389 CATT-26 K2-493  
<http://home.cinci.rr.com/w8diz> [AOL-IM "w8diz"]

-----  
Date: Mon, 26 Jun 2000 15:27:35 +0200  
From: Jacques Brenkman <pa3evz@casema.net>  
To: w8diz@cinci.rr.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [73438] Re: Toroids  
Message-ID: <3.0.5.32.20000626152735.00da1100@pop.casema.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 09:07 26-6-00 -0400, w8diz wrote:

>Anybody know the "cheapest" place to buy FT37-61, FT37-43 and T37-6 toroids?  
>I need several hundred of them for "kits".

>

>I used to buy them from <http://www2.wcoil.com/~buckeye/>  
>but they are out of them and will no longer be selling toroids.

>

>tnx

>

>73 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio  
>Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W  
>FPqrp-1 SOC-8 DLQRPAG-1454 ARCI-10226 QRPL-1998 10X-9389 CATT-26 K2-493  
><http://home.cinci.rr.com/w8diz> [AOL-IM "w8diz"]

>

>

>

>

Hello Dieter,

Try Mouser electronics  
<http://www.mouser.com>

73, Jacques PA3EVZ

-----  
Date: Mon, 26 Jun 2000 13:30:20 +0000  
From: Michael Neverdosky <mneverdosky@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [73439] Re: Circuit Board Material  
Message-ID: <3957149C.714BE789@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Is Sergio Ruiz still around?

He had a great deal on assorted boards a while back.  
Great stuff!

michael N6CHV

Randy Joiner wrote:

>

> Does anyone have a good (inexpensive) source of good quality blank circuit  
> boards?

-----

Date: Mon, 26 Jun 2000 06:31:53 -0700 (PDT)  
From: Philip Karras <ke3fl@yahoo.com>  
To: qrp-l@lehigh.edu  
Subject: [73440] A QRP Field Day  
Message-ID: <20000626133153.649.qmail@web2206.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

I worked at K3PZN by taking my solar panel, solar  
charged 7 Ahr battery and my OHR-400. After trying  
for 15 minutes with no contacts I was wondering what  
I was doing wrong when I noticed the good ol' RIT  
was WAY off from center. Murphy again I guess.

We made six QSOs at a rate of about 1/min.

I then went home to get to a graduation party for a  
number of former High School students we know. After  
that I set up the solar battery and my NE-4040, 40m  
and made 10 more QSO's as KE3FL at around 1 watt.  
That was a bit more difficult. Sunday morning  
before church I made another 5 QSOs using the  
OHR-400 on 20 meters and around 1.5 watts.

Next year I'm planning a QRPP Field Day, perhaps by  
then the ARRL will offer a 25 point multiplier for  
QRPP contacts during Field Day?

I Hope your QRP FD-2000 was as much & more fun as  
mine!

72 & 73 de KE3FL, 1E, MDC, QRP  
Phil Karras

=====

Phil Karras, KE3FL  
ke3fl@arrl.net  
Alt: ke3fl@juno.com  
Web: <http://www.qsl.net/ke3fl>

-----  
Do You Yahoo!?  
Get Yahoo! Mail - Free email you can access from anywhere!  
<http://mail.yahoo.com/>

-----  
Date: Mon, 26 Jun 2000 09:57:32 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-l@lehigh.edu  
Subject: [73441] For CONDO and APT hams ONLY  
Message-ID: <66.4f2fd64.2688bb4c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

I stumbled across this site that is a wealth of info for hams who are apt and condo dwellers. <http://www.uga.edu/~barc/ccindex.html>

Alan KB7MBI

-----  
Date: Mon, 26 Jun 2000 10:15:41 -0400  
From: "AI2Q Alex" <ai2q@ispchannel.com>  
To: "'David Shalita'" <af389@lafn.org>  
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [73442] RE: Meter Multiplier or Shunt  
Message-ID: <000f01bdfd79\$02f4d5a0\$5c32a7d0@ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hmmm.....David, why not simply insert small known-value resistors in series with your load, and measure the voltage across them with your DMM, and then use Ohm's Law to find the current through them? DMMs typically have 10 Megohms or more of input resistance, so you wouldn't want to be designing multipliers anyway, it seems to me.

If you choose resistors with values of, say, 1 ohm, 10 ohms, or 1,000 ohms, you could derive the current really fast--without much calculation. You could do it in your head, for that matter.

Your further thoughts?

-- AI2Q, Alex QRP-L 687 .-.-.

-----Original Message-----

From: David Shalita [mailto:af389@lafn.org]

Sent: Saturday, June 24, 2000 9:57 AM

To: AI2Q Alex

Subject: Meter Multiplier or Shunt

Hi Alex,

I read/studied/printed your mailnote about Meter Multipliers and find it very helpful.

I have four commercial VOM which each have max current scales of 250 milliamp, often just too small for my homebrew circuit work. I need to extend these to safely read 500 milliamp. Minimum range is 2.5 milliamp.

I would like to use your "multiplier method" since I do not want to try to create 4 wire wound shunts. I'll gladly accept the voltage drop from "multiplier".

These meters are used as shack "current monitors" that I use anytime I must monitor current in any general circuit I am working on. Level of current varies from 10 ma to 400 ma.

Your article uses an example of a circuit where the "max current is known", 1 milliamp example and 500 milliamp example. I am not sure this fits my application where my current varies greatly.

For these DVM, I don't know the effective "meter resistance" except input impedance is stated for DC mode as 10000 ohms/volt.

I can try to measure the meters "effective internal resistance" for the 250 milliamp scale using the 2 pot method.

Am I forced to wind shunts or can I use your multiplier method? I seem stuck since I do not know the "effective meter resistance" for any current scale.

I appreciate if you can give me a comment or two.

Thank you, 73, W6MIK

--

David Shalita (Dave)

af389@lafn.org  
Van Nuys, CA

-----  
Date: Mon, 26 Jun 2000 09:39:21 -0500  
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>  
To: <ai2q@ispchannel.com>, "'Low Power Amateur Radio Discussion'" <qrp-  
l@Lehigh.EDU>  
Subject: [73443] RE: Meter Multiplier or Shunt  
Message-ID: <000001bfdf7c\$519dd460\$ef5d6f81@v8.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Alex has a good idea. You can make your own very low value resistor using NiChrome wire. Make for yourself a .01 or .1 ohm resistor using a short length of this wire and, using your VOM, calculate the current through it. The very low value resistor won't change the true characteristic of the circuit with its presence or absence and any good quality VOM will measure down to milivolts so you can measure the extremely low voltages across your "resistor."

72/73  
Kevin, WB5RUE

Bitterness is the poison you drink hoping the other person will die.

> -----Original Message-----  
> From: owner-qrp-l@Lehigh.EDU  
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> AI2Q Alex  
> Sent: Monday, June 26, 2000 9:16 AM  
> To: Low Power Amateur Radio Discussion  
> Subject: RE: Meter Multiplier or Shunt  
>  
>  
> Hmmm.....David, why not simply insert small known-value resistors in  
> series with your load, and measure the voltage across them  
> with your DMM,  
> and then use Ohm's Law to find the current through them? DMMs  
> typically have  
> 10 Megohms or more of input resistance, so you wouldn't want  
> to be designing  
> multipliers anyway, it seems to me.  
>

> If you choose resistors with values of, say, 1 ohm, 10 ohms,  
> or 1,000 ohms,  
> you could derive the current really fast--without much  
> calculation. You  
> could do it in your head, for that matter.  
>  
> Your further thoughts?  
>  
> -- AI2Q, Alex QRP-L 687 .-.-.  
>  
> -----Original Message-----  
> From: David Shalita [mailto:af389@lafn.org]  
> Sent: Saturday, June 24, 2000 9:57 AM  
> To: AI2Q Alex  
> Subject: Meter Multiplier or Shunt  
>  
>  
> Hi Alex,  
> I read/studied/printed your mailnote about Meter Multipliers  
> and find it  
> very helpful.  
>  
> I have four commercial VOM which each have max current scales of 250  
> milliamp, often just too small for my homebrew circuit work. I need to  
> extend these to safely read 500 milliamp. Minimum range is  
> 2.5 milliamp.  
>  
> I would like to use your "multiplier method" since I do not  
> want to try  
> to create 4 wire wound shunts. I'll gladly accept the  
> voltage drop from  
> "multiplier".  
>  
> These meters are used as shack "current monitors" that I use anytime I  
> must monitor current in any general circuit I am working on.  
> Level of current varies from 10 ma to 400 ma.  
>  
> Your article uses an example of a circuit where the "max current is  
> known", 1 milliamp example and 500 milliamp example.  
> I am not sure this fits my application where my current  
> varies greatly.  
>  
> For these DVM, I don't know the effective "meter resistance"  
> except input impedance is stated for DC mode as 10000 ohms/volt.  
>  
> I can try to measure the meters "effective internal  
> resistance" for the  
> 250 milliamp scale using the 2 pot method.



>  
> AM I forced to wind shunts or can I use your multiplier method?  
> I seem stuck since I do not know the "effective meter resistance"  
> for any current scale.  
>  
> I appreciate if you can give me a comment or two.  
>  
> Thank you, 73, W6MIK  
>  
> --  
> David Shalita (Dave)  
> af389@lafn.org  
> Van Nuys, CA  
>  
>

-----  
Date: Mon, 26 Jun 2000 08:41:09 -0600  
From: "Ron Smith" <resmith666@uswest.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [73444] Re: OT: Antenna Selection Guidance?  
Message-ID: <004f01bfdf7c\$aa3e1f80\$0200000a@uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

George, I couldn't help but comment on this one aspect of your post...

> If we are to just fill out questionnaires and have some "expert" tell us  
> what to do - and presumably how to do it - what is the point of even  
> doing amateur radio at all? Are we really through with learning and  
> self-teaching and hitting the books, and trying first this and then that,  
> etc.? Is working to learn and then working to try just too much to ask  
> these days? Has patience taken on such a value?

In the past 20 years the cost of "experimenting" with antenna systems, high towers, and commercially made radios has, at least for my very limited budget, skyrocketed to unreachable proportions. Even the K2 and K1, although 50% less than a Kenwood 440, is unreachable. Sure I can buy a \$35 transceiver kit - but who can afford the wire antenna that many proclaim to use to get all the high contest scores? By the way -- that "wire antenna" is usually some 80 foot tower with one or more expensive beams on top of it. I'm not believing that old "wire out the window" routine any more.

Yes, IMHO amateur radio has over the past 20 years become a rich mans hobby.

My fixed retirement check has been stretched more than once to the "Forget it" mark. On the other hand, maybe I could just send a bill for me "testing" to some rich ham since I, for one, haven't got the spare \$\$\$ to experiment with \$300 antennas to see what works and what doesn't.

No flames intended -- none accepted -- end of thread comment.

73 to one and all...

Ron Smith - KD7VD - Boise, Idaho

-----  
Date: Mon, 26 Jun 2000 10:42:51 -0400 (EDT)  
From: medic361@webtv.net  
To: qrp-l@Lehigh.EDU  
Subject: [73445] walt amos k8cv  
Message-ID: <16227-39576BEB-3772@storefull-285.iap.bryant.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

Last week I asked a question on the reflector and got many helpful replies and would like to thank all that replied. Today i received a reply from Walt Amos k8cv. his message was neither helpful or relavant. he asked why i would take advice from all you fools. i told him in no uncertain terms that his opinion was a waste of time and to hve agood coronary ischemia . i hope you all have a good day and thanks again for all your help.

73,  
Dwayne ke4rvt

-----  
Date: Mon, 26 Jun 2000 09:47:50 -0500  
From: "Gary Lee Phillips" <ka9nzi@arrl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [73446] Newbie question  
Message-ID: <200006261447.JAA14909@mail.lib.colum.edu>

WB8RCR writes:

> Generally, you wouldn't QSL contest contacts.

I beg to differ with that (politely, of course.) Many people do QSL contest contacts, myself among them. And I get about an 80% response rate, which is probably as good as you can expect for QSLing in general. I do always include the SASE for domestic contacts or QSL managers. Foreign goes via bureau, which is indeed slow.

Now we could quibble over the definition of "contest" too (Field Day is technically not supposed to be a contest, yet it has clearly become one.) As for the question of RST being included in the exchange, since many contesters would give out 599 no matter what, that hardly matters. It's been a long time since I received anything other than 599 or "five by nine" in a contest of any sort, even when I'm running milliwatts.

If you want to QSL field day contacts, by all means do so. If you recorded RST information in your log, whether you sent it or not (I always do that) then fill it in on the card. If you didn't, either supply the nominal 599 or leave that blank. Be sure to put a note of some sort verifying the actual FD exchange, and do supply SASE if you want a response. I'm betting most home stations and at least half of the club calls will respond. Most will be fairly quick, some will take weeks or months to "get around to it." Most of the club stations I've worked in RTTY contests do QSL, by the way.

It's unfortunate that QSLing has fallen into such disrepute with some folks. Contesters need to realize that some of us who give them points and multipliers do so partly because we want their QSL for some kind of wallpaper or other. It's a fair trade: we give them the points, they should QSL if asked.

And then there are the worst ones, the guys who plead on the air for your QSL, and even give the address to send it to; but when they get it, they don't return one of their own.

So for those of you who "don't QSL" even when an SASE is supplied, shame, shame on you. The cost of a generic QSL is only a penny or two, and the postage is being paid for you. For the majority who do QSL, and do it promptly, a big thank you from me.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>  
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg  
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

-----

Date: Mon, 26 Jun 2000 10:08:59

From: "Henry Knoll" <knoll003@tc.umn.edu>  
To: qrp-1@Lehigh.EDU  
Subject: [73447] CD 4060  
Message-ID: <iss.38df.39577218.8491f.1@amethyst.tc.umn.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Does anyone have a spare CD4060 they are willing to part with?

Thanks and 73\72

Henry WA0GOZ

-----  
Date: Mon, 26 Jun 2000 10:21:59 -0500  
From: Dave Sjolín <sjolin@swbell.net>  
To: resmith666@uswest.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73448] Re: OT: Antenna Selection Guidance?  
Message-ID: <39577516.626592D1@swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Ron Smith wrote:

>  
> In the past 20 years the cost of "experimenting" with antenna systems, high  
> towers, and commercially made radios has, at least for my very limited  
> budget, skyrocketed to unreachable proportions. Even the K2 and K1,  
> although 50% less than a Kenwood 440, is unreachable. Sure I can buy a \$35  
> transceiver kit - but who can afford the wire antenna that many proclaim to  
> use to get all the high contest scores? By the way -- that "wire antenna"  
> is usually some 80 foot tower with one or more expensive beams on top of it.  
> I'm not believing that old "wire out the window" routine any more.

Ron, I think you're mixing apples and oranges. Few newbies, asking what antenna should I get, are considering high towers and beams. Often the choice is between a dipole, G5RV, and a multiband vertical or between various brands of vertical.

You don't need to spend hundreds or thousands of dollars to have an effective antenna. Materials for most wire antennas can be obtained for under \$25 plus the cost of the feedline which has to be added to any antenna choice. These antennas can be built for a fraction of what some

of the large multiband verticals cost and they will probably work as well if not better.

Who says the best antenna for you is the one that contest winners are using to get the top scores. If you're not a contester, it's probably not necessary to your enjoyment of the hobby. If you're not interested in dx at the honor roll level, stacked monobanders at 65 and 120 feet are probably not what you need. One can put out a good signal with a relatively inexpensive antenna. Although Joel has a lot of sweat invested in his antennas, I bet the dollar investment is pretty low. And although I know hams who have more than \$100,000 invested in their stations, I bet Joel has just as much fun for a whole lot less.

73 de Dave, N0IT

-----  
Date: Mon, 26 Jun 2000 10:29:27 -0500  
From: "George T. Baker" <w5yr@att.net>  
To: resmith666@uswest.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73449] Re: OT: Antenna Selection Guidance?  
Message-ID: <395776D7.55FFD26C@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ron, I see where you are coming from and I have no great complaint against your points.

I would offer only one thought further:

NO ONE can design a BEST (or even necessarily workable) antenna system for YOU. What is best for you depends on your location, detailed specs of your r-f environment including all surroundings for many wavelengths, etc., your aims and aspirations for operating activity, and on and on.

So, I come back to the position that the way to achieve a working station is to study the characteristics of antennas, evaluate your own location and environment, obtain an inexpensive simulator (W7EL's ELNEC is free) to get at least a rough idea of what a proposed installation would do, etc. And then to put up antennas and try them out until you find what you are looking for. This process commonly takes years, but what is the hurry?

The point is that no one can do any of this by mail, or email, or remote control. The amateur has to become directly involved and do the necessary learning and experimenting himself. It is just not possible to synthesize

antenna systems for amateur backyard applications with any degree of success toward meeting desired performance, cost, etc. goals.

I will gladly accept fees for recommending antennas all day long. But, let's all understand that such a recommendation is nothing more than one person's opinion, probably based on a far-from-complete understanding of the situation.

If you read much email, including the antennas newsgroup, you will see dozens of questions relating to antenna choices. You will also read dozens of responses that say " I put up the XYZ antenna and it did/did-not work." The XYZ antenna in my backyard may be an absolute winner for me and my operating style and aspirations, but it may equally well be a complete loser for someone else.

So, I tend to stand by my notion that antennas - the really last frontier of affordable experimentation for hams - have to be designed and selected by the user who knows enough of his environment and aims to make an intelligent selection. Part of that is acquiring sufficient technical background to sift through all the advertising nonsense claims and separate the wheat from the chaff.

Color me old-fashioned - and I guess I really am - but I really don't think that ARRL or anyone else can specify an antenna system for me and my backyard and assert that it is the BEST that can be done.

Thanks for your note.

72/73, George

Fairview, TX 30 mi NE Dallas in Collin county

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

R/C since 1964 - AMA 98452 RVing since 1972 Kachina #91900556

-----  
Date: Mon, 26 Jun 2000 10:29:53 -0500  
From: "Morrison, Rick" <rmorrison@trane.com>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>  
Subject: [73450] Field Day with AL7FS  
Message-ID: <200006261529.LAA198836@nss4.cc.lehigh.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

The Riverland Amateur Radio Club, WR9ARC of La Crosse WI, had the unexpected pleasure of a visit by Jim Larsen, AL7FS, at our Field Day location. Jim asked me to report back to the list since he has been traveling and out of touch with the list for a few weeks.

Jim didn't come all the way from Alaska just to see us. He was in the area visiting relatives and wanted to show his brother a field day setup. He had his brothers and mother, all amateur radio operators, with him. We got to see Jim's traveling qrp rig and mom showed off her new trapped dipole! I hope our setup was of interest to his family. Thanks for stopping by, Jim.

As far as I can tell, qrp is not taking over western Wisconsin, but there are a few of us out here. We really appreciate QRP-L and the web pages of members like AL7FS!

Rick Morrison  
kb9tkg@arrl.net

-----  
Date: Mon, 26 Jun 2000 08:36:31 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Bob Patten <n4bp@bc.seflin.org>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [73451] Re: Milliwatt Contest/Exchange  
Message-ID: <Pine.GS0.4.10.10006260835100.25193-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 24 Jun 2000, Bob Patten wrote:

> On Sat, 24 Jun 2000, Jim Hale wrote:  
> >  
> > Even with that "flaw" it's still a fantastic contest.  
> >  
> > > Some negative comments concerning the W in the  
> > > Contest Exchange. (Monte Stark) Such as W25.  
> > >  
> > > I tend to agree. 250 mw seems clear to me.  
> > >  
> The problem occurs with computer logging. The popular contest loggers  
> will accept W25 but not 250 mw. But I've learned to enter W25 if someone  
> sends me 250 mw so not a problem for me...

I just checked TR Log and it took 500mw just fine.

All depends on how you set it up.

Can't speak for the other logging programs but I'm sure  
Bob's right about them.

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----  
Date: Mon, 26 Jun 2000 11:45:55 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [73452] Re: OT: Antenna Selection Guidance?  
Message-ID: <02dd01bfdf85\$a3b8b9a0\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hey Ron!

Listen to Dave!

Just do it!!

I run a K2, but that doesn't mean I'm rich. Before that I ran only an old Radio Shack HTX-100 'occasionally' and back in the early to mid 80's an OLD Swan.

Yeah, the radios can be expensive.

But the antenna? Other than a 10M beam, and a SHORT stint with a trap verticle (I moved, and never put it up again) all my operations from the house have been with wire. No fancy antennas. Till just last month, it was ALWAYS just a long piece of wire, stretched from where I was to as far as I could go. Not expensive at all.

Then last month I finally got off my butt, bought a roll of twinlead (\$7 at Radio Shack) and some speaker wire (may \$4 or \$5 at Radio Shack) and fabricated a dipole. Then two pullies and some rope (maybe \$8 or \$9 at WalMart) and tied that to my antenna tuner, an MFJ901, with an old CB SWR meter. Works fantastic! I cut the antenna to just over 32 feet in case I had to trim it, then 'split' the speaker wire, so it's about 65 feet long. Works fantastic on 40M through 15M. Still works on 12M and 10M, but it's touchy to tune.

Yeah, I know, twinlead, but it's cheap, and it's available around the corner. Don't loose sight of what works is better than what doesn't,



even if it isn't the best.

Mike

Ron Smith wrote:

>  
> In the past 20 years the cost of "experimenting" with antenna systems,  
high  
> towers, and commercially made radios has, at least for my very limited  
> budget, skyrocketed to unreachable proportions. Even the K2 and K1,  
> although 50% less than a Kenwood 440, is unreachable. Sure I can buy  
a \$35  
> transceiver kit - but who can afford the wire antenna that many  
proclaim to  
> use to get all the high contest scores? By the way -- that "wire  
antenna"  
> is usually some 80 foot tower with one or more expensive beams on top  
of it.  
> I'm not believing that old "wire out the window" routine any more.

-----  
Date: Mon, 26 Jun 2000 11:55:47 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: Monte Stark <ku7y@dri.edu>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [73453] Re: Milliwatt Contest/Exchange  
Message-ID: <Pine.3.89.10006261102.A25522-01000000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 26 Jun 2000, Monte Stark wrote:

>  
> I just checked TR Log and it took 500mw just fine.  
>  
> All depends on how you set it up.  
>  
> Can't speak for the other logging programs but I'm sure  
> Bob's right about them.  
>  
I bugged Dave, K8CC about NA and the new version 10.47 "should" take  
500mw just fine now, as well as five digit member numbers in ARCI contests.  
For the mW Contest, NA should work OK using the ARCI template...

Bob Patten, N4BP , ' ' ' , ( 0 0 ) Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: Mon, 26 Jun 2000 08:54:50 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: TC Dufresne <tdufres@radiks.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73454] Re: Newbie question  
Message-ID: <Pine.GS0.4.10.10006260836540.25193-100000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Tom,

Good question!

QSLing means different things to different people!

Some people QSL every contact they make while at the other  
extrem some people will not QSL at all!

FD is a rather unusall event. It's not really a contest  
and there is no rule saying that you have to even copy  
the exchange down! There are several operations where no  
log is even made.

But if there is a card you want for whatever reason, there  
is nothing wrong with sending for it. Includ your card and  
it's considered a courtsy to include a SASE for the other  
station to use.

During the "real" contests, one of the major reasons that  
many people get on is to work new countries, states, counties,  
grid squares and etc. So after a good contest effort it's  
normal to get LOTS of requests for cards.

Many years ago, when you could only find a small number of  
other hams on the air, the sending of your QSL card was  
considered the "final courtsy" of the contact. But in today's

fast paced world of thousands of contacts per year, that really doesn't apply.

The one thing that should always be done is to answer any and all requests for QSL cards. Even if someone is not in your log, at least return their card with a note telling them that.

Having lived in both Idaho and NV, it's very common to get cards from people you have not worked that are just fishing for a card from a "new" state! I keep a log and if they are not in it, there is no QSL sent. I don't even take the time to return those kind of cards!

(How do I tell when this has happened??? Several of you will all get a card from the same station which none of you worked!) I have even recieved blank cards with a few green stamps included.....

Hope this helps,

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----

Date: Mon, 26 Jun 2000 09:13:14 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [73455] Old Geezers with Bugs  
Message-ID: <Pine.GS0.4.10.10006260855100.25193-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 25 Jun 2000, Gary McCaughey wrote:

> Vic Wrote:  
> "no old geezers slapping their blue racers."  
> +++++  
> Personally, I kinda like the "swing" of a good bug operator.

Ah, the "Old Geezers with Bugs" topic again!

There is nothing better than the sound of hand sent CW, be it on a hand key, bug, cootie (sp?) or whatever.

This assumes that the "sender" has the skills to send good CW with whatever is being used.

Age has NOTHING to do with sending ability or choice of "tools". In fact, the younger you are, the easier you can learn to send good CW.

To me, trying to have a CW contact with someone using a keyboard is very booring. There is NO skill involved. There is NO art form. And someone should remove that darned "." key! NO ONE in their right mind sends didahdidahdidah at the end of each sentence! :-)

Then there are all those second class sending programs that send the prosigns like BT or AR as "B" "T" and "A" "R" complete with the "improper" space! :-)

And to the original poster who seems to think that you can only recognize a sender if his CW is poor, think again! You can watch a computer decode the sending a several stations and still tell who is who just by their sending!

40 wpm dits and 20 wpm dahs are not used by most operators who can use a bug.

But I'll once again ask my standard question.....

When you hear someone sending with a bug and it's so "bad" that you can not copy them, ask your self this.....

How come the person he is talking to can copy OK?

Kinda tells you that there is a skill known as copying CW that is being lost. It's simple to copy "perfect" code. But it takes a great deal more skill to copy some of the very poor sending that is out there.

When I was a kid I remember not being able to copy several stations that I heard a lot. And I still remember how fantastic I felt as my skills improved to the point where I began to understand them!

I didn't complain about their sending.....I just continued

improving my skills so that I could copy them!

But that took work. Something that I'm seeing being pushed out of the picture of amateur radio.

OK, back in my hole.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

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Date: Sun, 25 Jun 2000 20:16:40 -0500  
From: Charles K Brown <n4so@juno.com>  
To: qrp-1@lehigh.edu  
Subject: [73456] Sunlight Energy Systems/Solar Power  
Message-ID: <20000626.110452.11822.6.n4so@juno.com>

A Frequently Asked Question concerns Solar Power controllers--  
Here is one source:

The E-mail address for Sunlight Energy Systems has been tested  
and works.

From: mike bryce <prosolar@sssnet.com>

yes it is

--

Mike Bryce WB8VGE

SunLight Energy Systems

"Electricity at the speed of light"

Subject: Solar Power controllers

prosolar@sssnet.com

>

> IS this a good address for Solar Power  
> controllers?

From: "The QRZ.COM Database" <lookup@qrz.com>  
lookup: wb8vge

Call: WB8VGE

Name: MICHAEL E. BRYCE

Addr1: 955 MANCHESTER AVE SW

Addr2: NORTH LAWRENCE, OH 44666

Country: USA

County: Stark County

Coords: 40.831748 N -81.615901 W Grid: EN90et

Class: Extra Codes: HAI  
Issued: 1998-08-18 Exp: 2004-07-15 dob: 1954-05-11  
Email Addr: prosolar@sssnet.com  
Home Page: <http://www.seslogic.com>  
Updated: 1999-11-05 18:51:33

#### SunLight Energy Systems

1. Sunlogic Micro "M" Controller \$25  
Handles up to 2 amps of current.
2. SunLogic MR-20R Relay Based Charge Controller \$35  
High current series type charge controller
3. MR4 Plus \$37  
Solid state photovoltaic charge controller with 4 amp rating.  
--Source: 1999 Kanga US catalog, Bill Kelsey N8ET  
[kanga@bright.net](mailto:kanga@bright.net)

Ken Brown N4SO  
Mobile, AL EM50tk  
NorCal 20 at 5 watts  
4 element mono. yagi

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Mon, 26 Jun 2000 09:25:18 PDT  
From: "laura halliday" <[marsgal42@hotmail.com](mailto:marsgal42@hotmail.com)>  
To: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [73457] Re: MC3362  
Message-ID: <20000626162518.23501.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Mike G4COA asked:

>Can someone tell if the MC3362 is still produced or even  
>available. I suspect that it is not! In that case I'd  
>appreciate recommendations for other chips that are some-  
>what similar, i.e. mixers if-amps and prod detector, that

>would work for a compact TXVR.

On your side of the pond I'd have a word with somebody like Mainline, or Barend Hendriksen, or just about any of the advertisers in Elektor or Radcom or...

Motorola's website ([www.motorola.com](http://www.motorola.com)) shows that the part is out of production. To see some alternatives (e.g. MC13135), have a look at the selector guide. That's what it's for.

Other companies make chips that does these sorts of things. Try National Semiconductor and Philips for starters. Analog Devices are in this business too, though I have yet to see an amateur application of an AD607.

Laura Halliday VE7LDH        "Que les nuages soient notre  
Grid: CN89mg                pied a terre..."  
                              - Hospital/Shafte

---

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Mon, 26 Jun 2000 12:25:58 -0400  
From: "J. Ervin Bates" <[w8erv@email.msn.com](mailto:w8erv@email.msn.com)>  
To: <[ku7y@dri.edu](mailto:ku7y@dri.edu)>, "Low Power Amateur Radio Discussion" <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [73458] Re: Old Geezers with Bugs  
Message-ID: <[017701bfdf8b\\$367a5be0\\$fc451b3f@win98](mailto:017701bfdf8b$367a5be0$fc451b3f@win98)>

I guess I should weigh in on the bug controversy. It's my opinion, after hearing some of the best code being sent ON A BUG, that there are some who do it well.

Roy (N8GAQ) absolutely flies on his and it's sweet music to the ear. I stand in awe of anyone who can send on the Bug. Sure, it must take time, but did we all start out sending 30WPM? Surely not.

I wasn't offended by the post, but I bet some were who take their Bug-work seriously. Just my .02

72,  
Erv W8ERV

-----

Date: Mon, 26 Jun 2000 11:26:26 -0500  
From: Dan Copeland <n0dt@swbell.net>  
To: qrp-l@Lehigh.EDU, elecrafft@qth.net  
Subject: [73459] Loaded K-2 For Sale  
Message-ID: <4.3.2.7.2.20000626111348.00b18850@postoffice.swbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset="us-ascii"; format=flowed

Well I think It is time to build another one. This is my second K-2 And it has all options. It works and looks great. It has been aligned with spectrogram. It also comes with both the stock and the Yaesu main tuning knobs. It has full output on all bands. The price for all the kits, knob and shipping is about \$975. I will sell this one for \$1100 Shipped and insured in the conus. For shipping outside the USA I will just have to figure out the difference.

Thanks

Dan N0DT  
Dan Copeland N0DT  
n0dt@swbell.net

-----  
Date: Mon, 26 Jun 2000 11:26:25 -0500  
From: Rick Weber <weber@accenttech.com>  
To: qrp-l@Lehigh.EDU  
Subject: [73460] Lightning destroys Field Day QTH  
Message-ID: <3957842F.BB43C99E@accenttech.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

A QRP Field Day tale:

Skies were threatening rain, but went ahead and set up my DSW-40 and portable dipole out on our deck overlooking a little pond. Love to sit out here with nature all around and tap a key. Distant rumbling, so grabbed my rig and headed for the cabin.



A few minutes later, the sky was a real fireworks show. A monster bolt hit a 3 foot diameter beech next to the deck and dropped a 4000 pound section of tree on the very spot I was sitting. It destroyed the little FD dipole, a permanent flat top strung across the pond (up 50 ft.), a ladderline feed, portable power supply, furniture, grounding system, and the deck.

The upside -- My two most valuable possessions (next to my wife) -- the DSW and my butt -- were spared.

"Before" photo can be found here:

<http://www.accenttech.com/w9qz/om.htm>

Will post "after" photo soon.

Jury rigged another antenna and got back on the air. Got bored communicating with computers, so went up around 7.110 and found a lot of lonely QRS ops. One exchange took six minutes! But these were real humans -- no memory boxes and keyboard gadgets -- just sweaty fingers and a key. Had fun and glad to be alive to tell about it.

72/73

Rick W9QZ

-----  
Date: Mon, 26 Jun 2000 12:28:11 -0400  
From: "J. Ervin Bates" <w8erv@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [73461] In the mail today  
Message-ID: <017d01bfdf8b\$85b45760\$fc451b3f@win98>

UPS made a small visit this early afternoon, bearing a CMOS III keyer kit, as well as several copies of the original Milliwatt by Ade Weiss. I will have to see which are missing and do some begging to complete the collection, but I can assure you they will have a good home. I have the CD version, so I can use that for regular browsing, but I now own a piece of QRP history in hard copy.

72,

Erv W8ERV

HamFair2000 is coming...ask me about it!  
"Dare to Dream-It Sets Your Spirit Free!"

-----  
10-10# 70639 - QRP-ARCI# 9702 - SOC# 41  
QRP-L #1569 - NorCal Zombie #236 - Worked All  
El Paso #033/1999 - Member, MI DX Assn.  
MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL  
Rag Chewers' Club - WAC -

-----  
Date: Mon, 26 Jun 2000 11:39:33 -0500  
From: "Cla KA0GKC" <ka0gkc@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [73462] Re: OT: Antenna Selection Guidance?  
Message-ID: <084401bfdf8d\$70b11720\$0200000a@mcg.net>

Although it would be nice to be able to fill out a form and get an expert recommendation on what antenna to use. By the time you are able to measure and supply ALL the required data, you could be on the air and operating several times over. The subject is just that complicated.

One point that I think may have been overlooked is the difference between the performance of a dipole, as an example, lofted in the easiest way to get it in the air and the best laid plans for putting up the optimum wire antenna for your needs. It's probably not that much when you consider an S unit is 6db and an S-3 signal is usually not any harder to copy than a 20 over S-9. The most important thing is to get that dipole or inverted vee up, if for no other reason than to have it as a baseline for other antennas.

Second point I'd like to mention is that there really is no such thing as the best or perfect antenna, at least I've never had, seen, or read about it yet. I tend to look at antennas from a "bang for the buck" angle. It's been my experience that it's really hard to beat the #14 stranded housewire and 300 ohm twinlead/300/450/ladderline combination for HF.

Let's assume for a moment that you did fill out a form and an expert told you just how to put up the best antenna. How would you know the expert didn't make a mistake, it was working properly, or it was just another Internet scam? The bottom line is you have to make the investment in knowledge to squeeze out the extra performance and to get that knowledge you must do some

experimenting.

I've seen many good books recommended in this thread. But if you don't have an ARRL Handbook, get that one first, new, used, from the library, doesn't matter. The antenna and transmission line sections have all the information you need to put up a respectable antenna. All you need do is invest a few hours to read it.

73 de Cla KA0GKC

-----  
Date: Mon, 26 Jun 2000 09:44:30 -0700 (PDT)  
From: Monte Stark <ku7y@dri.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73463] Re: Field Day Observation  
Message-ID: <Pine.GS0.4.10.10006260938140.25193-1000000@rotor.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Some comments about FD have been made noting the CW speeds, poor operation and etc.

FD is one of the first "contests" (no, it's NOT really a contest, but if it walks like a duck, quacks like a duck....), that many people ever try. And for many, it's the only one they ever do.

This is a great learning event. As such you will not hear as many top flight "contest station" operations. Lots of people trying....and most doing a fine job.

So try not to be too harsh in your view of some stations. After all, we all had to start someplace!

Ah, the sound of AC ripple, VFO's "wiggling" around as the voltage changes..... all the good ole' sounds of yesteryear!

And did I mention Bugs..... :-)

OK, back in my hole.....

73, Ron

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@qsl.net....SOC #2.....Nevada....NRA LIFE....  
.....SOWP 5545M.....WHINERS #1.....ZOMBIE #18.....  
....Visit my Home Page.....<http://www.qsl.net/ku7y/>....

-----  
Date: Mon, 26 Jun 2000 12:47:42 -0400  
From: "J. Ervin Bates" <w8erv@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [73464] Information on CMOS III  
Message-ID: <019e01bfdf8e\$3f9d80a0\$fc451b3f@win98>

Ok, so I hit a small snag. I am looking to get in touch with Idiom Press,  
so I can order an enclosure for the Super CMOS III Keyer. Anyone have a  
phone number? A Web site? Email addy?

Thanks in advance,  
Erv W8ERV

HamFair2000 is coming...ask me about it!  
"Dare to Dream-It Sets Your Spirit Free!"

-----  
10-10# 70639 - QRP-ARCI# 9702 - SOC# 41  
QRP-L #1569 - NorCal Zombie #236 - Worked All  
El Paso #033/1999 - Member, MI DX Assn.  
MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL  
Rag Chewers' Club - WAC -

-----  
Date: Mon, 26 Jun 2000 11:54:45 -0500  
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>  
To: <weber@accenttech.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [73465] RE: Lightning destroys Field Day QTH  
Message-ID: <000001bfdf8f\$3be7fd40\$ef5d6f81@v8.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Thanks Rick for giving the slow guyes a ride.

72/73

Kevin, WB5RUE

ps -- I can relate to your lightning tale. The only difference is that my tree didn't come down on its own. I had a BEAUTIFUL 80' tall hickory that was home to many wire antennas. One Summer day last Summer lightning took aim and split the trunk most of the way to the ground. It was a sad time cutting it down. BUT I now have a beautiful wood swing, a chair and a lifetime supply of wood for the smoke house.

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU

> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> Rick Weber

> Sent: Monday, June 26, 2000 11:26 AM

> To: Low Power Amateur Radio Discussion

> Subject: Lightning destroys Field Day QTH

>

>

> A QRP Field Day tale:

> ....

> Jury rigged another antenna and got back on the air. Got bored

> communicating

> with computers, so went up around 7.110 and found a lot of lonely QRS

> ops.

> One exchange took six minutes! But these were real humans -- no memory

> boxes and keyboard gadgets -- just sweaty fingers and a key.

> Had fun and

> glad to be alive to tell about it.

>

> 72/73

>

> Rick W9QZ

>

>

-----  
Date: Mon, 26 Jun 2000 12:10:51 -0500

From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>

To: "'QRP-L'" <qrp-l@lehigh.edu>

Cc: "'Luscombe, Dave (W) - W5RIF'" <duscombe@broadjump.com>

Subject: [73466] FIELD DAY 2000 DE W5CGH/W5RIF  
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA02DD9C19@ucusmail.spectrapoint.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hello y'all from North Texas - -

Well, it was another successful Field Day by the "Two Old Farts QRP and =  
Coon  
Hunting Group".=20

Out of the last five or six years that we've fielded a class 1B-battery  
effort, this was out highest score.

We had 44 Q's on 40, 135 on 20, and 53 on 15, for a grand total of 2320  
points. When you add in our bonus points for emergency power, being in =  
a  
public place, and natural power, the grand total comes to 2620 points.

I operated till about midnight when I woke up Dave, W5RIF, to take a =  
shift.  
I'd already chased off one raccoon who'd been rooting around our trash =  
bag,  
but after I went to sleep in the back of the pickup truck, they =  
apparently  
came back in force. Dave even chased off one that hopped up in the =  
back of  
the truck where I was sleeping. And I slept through all of this =  
mayhem!  
Now my wife has always said that I could sleep through most anything, =  
and  
now I guess she's right.

Anyway, we had a great time. Where we going next year Dave??

72 es 73,

Brad, W5CGH

=3D=  
=3D=  
=3D=3D=3D=3D

Brad Bradfield, PE  
(ex WB=D8CGH)

W5CGH

Test Staff Engineer  
SpectraPoint Wireless LLC

-----  
Date: Mon, 26 Jun 2000 10:17:08 -0700  
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>  
To: "'qrpl'" <qrpl@Lehigh.EDU>, "'azqrp'" <azqrp@extremezone.com>  
Subject: [73467] Radioshack.com Solar Panels  
Message-ID: <87568F78ABDCD211A0AC0008C707718B029D0F5B@az10exm03.sat.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

I noticed that radioshack.com has a solar panel for sale on its web site. 15v @ 125ma, \$20. Sounds great for us QRP types! Use it to keep 4 AH gell cell topped off during field expeditions.

I also discovered that the local Mesa, Az Radioshack.com store carried a solar array designed to keep a car battery topped off. It was rated 12v @ 175ma and was about 2" x 12", \$25. It did not seem overly rugged, as the array was mounted in a simple plastic case. On the other hand, it was very lightweight. Part number 9800681. That part number does not seem to be in their on line catalog.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

-----  
Date: Mon, 26 Jun 2000 10:27:05 -0700 (PDT)  
From: Russ Thorp <ke6yme@yahoo.com>  
To: qrpl@Lehigh.EDU  
Subject: [73468] Q: stolen rig databases?  
Message-ID: <20000626172705.13860.qmail@web2003.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hello,

Are there any other stolen rig databases on the web besides the one at  
<http://www.webcom.com/webpub/stolen.html> ?

I want to make sure I post to all that are available.

Thanks in advance,

Russ Thorp  
KE6YME

-----  
Do You Yahoo!?  
Get Yahoo! Mail - Free email you can access from anywhere!  
<http://mail.yahoo.com/>  
-----

Date: Mon, 26 Jun 2000 13:32:58 -0400  
From: "sergio" <sergio@village-buzz.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [73469] circuit board material..  
Message-ID: <025d01bfdf94\$942156f0\$1000a8c0@sergio>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

sorry if this got posted once before, but i was changing my email address..  
so here it is again..

> Is Sergio Ruiz still around?  
> He had a great deal on assorted boards a while back.  
> Great stuff!

wow.. funny i should see this.. i just started having time to look at the  
list again..

my life has been a complete hell lately... not bad, just very very  
inconvenient..

over the past few months, i have moved twice.. got evicted from one house  
after living there two months, so they could tear it down.. and packed and  
moved all my stuff to another house.. this was a monumental task, to say the  
least..

all the while, i have been on the road with the band, and publishing the  
magazine.. nothing could give during the move..

well, i am finally all set back up, but it has been awful..

i stopped doing the circuit board orders, just because i could not guarantee  
any kind of speedy service on them.. i couldn't make any guarantees about



when i could send them out, and i didn't have time to keep track of everyone's orders..

i got everyone who sent orders in a pack, but it was really tough to keep track of everything.. i apologize to all those who had to wait a ridiculous amount of time for your orders..

well, i am finally ready to start sending orders out..

i have my 10m antenna up, but nothing seems to be going on...

next, i just have to get a wire up for 40m..

i can't wait!

if anyone would like a pack of boards, let me know, and i will work out the details..

---

peace,

sergio

<http://www.village-buzz.com> <-- the village buzz!

"quoting other people is really lame and unoriginal.." ..sergio

-----  
Date: Mon, 26 Jun 2000 13:31:49 -0400

From: "J. Ervin Bates" <w8erv@email.msn.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [73470] CMOS III information

Message-ID: <003b01bfdf94\$69a15d80\$9e22113f@win98>

Thanks to the guys for their SPEEDY response. I have an email in to Marshall as we speak and hope to have the enclosure by mid week, next week.....maybe. ;-)

72,

Erv W8ERV

HamFair2000 is coming...ask me about it!

"Dare to Dream-It Sets Your Spirit Free!"

-----  
10-10# 70639 - QRP-ARCI# 9702 - SOC# 41

QRP-L #1569 - NorCal Zombie #236 - Worked All

El Paso #033/1999 - Member, MI DX Assn.

MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL  
Rag Chewers' Club - WAC -

-----  
Date: Mon, 26 Jun 2000 11:49:48 -0600  
From: "Francis Callahan" <colcal@srv.net>  
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [73471] Re: Old Geezers with Bugs  
Message-ID: <001101bfdf96\$ee4bd9a0\$c2dd070c@callahan>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Anyone who can send good code with a bug is a pro. I was usually able to know who was calling me by the swing when I was first a novice and all the old timers put up with my sending and helped me to learn to send properly. Three Cheers for the bug operators 72 Casl KF7ET mis placed Vermonter in Idaho

----- Original Message -----

From: "Monte Stark" <ku7y@dri.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Monday, June 26, 2000 10:13 AM  
Subject: Old Geezers with Bugs

> On Sun, 25 Jun 2000, Gary McCaughey wrote:  
>  
> > Vic Wrote:  
> > "no old geezers slapping their blue racers."  
> > +++++  
> > Personally, I kinda like the "swing" of a good bug operator.  
>  
>  
> Ah, the "Old Geezers with Bugs" topic again!  
>  
> There is nothing better than the sound of hand sent CW, be  
> it on a hand key, bug, cootie (sp?) or whatever.  
>  
> This assumes that the "sender" has the skills to send good  
> CW with whatever is being used.  
>

> Age has NOTHING to do with sending ability or choice of  
> "tools". In fact, the younger you are, the easier you can  
> learn to send good CW.  
>  
> To me, trying to have a CW contact with someone using a  
> keyboard is very booring. There is NO skill involved. There  
> is NO art form. And someone should remove that darned "."  
> key! NO ONE in their right mind sends didahdidahdidah at  
> the end of each sentence! :-)  
>  
> Then there are all those second class sending programs  
> that send the prosigns like BT or AR as "B" "T" and  
> "A" "R" complete with the "improper" space! :-)  
>  
> And to the original poster who seems to think that you  
> can only recognize a sender if his CW is poor, think again!  
> You can watch a computer decode the sending a several  
> stations and still tell who is who just by their sending!  
>  
> 40 wpm dits and 20 wpm dahs are not used by most operators  
> who can use a bug.  
>  
> But I'll once again ask my standard question.....  
>  
> When you hear someone sending with a bug and it's so "bad"  
> that you can not copy them, ask your self this.....  
>  
> How come the person he is talking to can copy OK?  
>  
> Kinda tells you that there is a skill known as copying  
> CW that is being lost. It's simple to copy "perfect"  
> code. But it takes a great deal more skill to copy some  
> of the very poor sending that is out there.  
>  
> When I was a kid I remember not being able to copy several  
> stations that I heard a lot. And I still remember how  
> fantastic I felt as my skills improved to the point where  
> I began to understand them!  
>  
> I didn't complain about their sending.....I just continued  
> improving my skills so that I could copy them!  
>  
> But that took work. Something that I'm seeing being pushed  
> out of the picture of amateur radio.  
>  
> OK, back in my hole.....  
>  
> 73, Ron

Date: Mon, 26 Jun 2000 12:48:49 -0500  
From: "Bradfield, Brad V." <BBradfield@spectrapoint.com>  
To: "'QRP-L'" <qrp-l@lehigh.edu>  
Cc: "'Luscombe, Dave (W) - W5RIF'" <dluscombe@broadjump.com>  
Subject: [73472] RE: FIELD DAY 2000 DE W5CGH/W5RIF  
Message-ID: <8D9A3E0C6F42D1118EDC0060081D3FFA02DD9C1D@ucusmail.spectrapoint.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

[illegible]

>=20

>=20

-----  
Date: Mon, 26 Jun 2000 13:51:47 EDT  
From: GElam30092@aol.com  
To: qrp-1@lehigh.edu  
Subject: [73473] OT: is history important?  
Message-ID: <6b.6236707.2688f233@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

The AZ Republic mentioned that a local History Museum had all of Barry Goldwater's ham radio equipment and were trying to raise funds to recreate his ham shack.

You may not agree with his politics but you have to admit that he helped the hobby and was well-known for his MARS efforts especially during the Vietnam war.

The article mentioned that the owner of the Harkins theater chain was donating the ticket receipts from hams who go to a movie on Wednesday and Thursday night to the museum.

I'm not big on most movies and there's nothing I really want to see right now so I decided to send the museum a small check as a donation. I checked with the museum director and donations are 100% tax deductible.

So, if you are into such activites, think we should preserve small parts of history like this and you have a few \$\$\$ to spare for a tax-deductble donation, send it to:

Reba Grandrud, Director  
Arizona Historical Society  
1300 N. College Ave.  
Tempe, AZ 85281

Tel: (480) 929-0292

All donations should indicate that they are being made towards the Goldwater Exhibit. Thanks for the bandwidth!

Also, if you want to see the article, drop me a note (off-line) and I'll forward it along. I tried to bookmark the URL but it requires that you register for this site.... it's easier if I forward it directly!

Many thanks!  
Gerry Elam, K7LR0  
PHX AZ

-----  
Date: Mon, 26 Jun 2000 13:55:10 EDT  
From: ARDUJENSKI@aol.com  
To: qrp-1@lehigh.edu  
Subject: [73474] OT: Whoa pardners!  
Message-ID: <7d.6c35e3f.2688f2fe@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Well the post: ANTENNA SELECTION GUIDE sure brought out a heap of responses. I would like to say that the post was made based upon a \*perceived\* need. I know that my experience in HAM RADIO sometimes shows and I don't mind taking criticism for that.

I would however hope that in the future YOU READ THE WHOLE POST.

1. I did not state nor imply that ARRL was to do this service, merely mentioned them as a possilbe source
2. This was not to be something that suggests a certain mfgr
3. This was not aimed at circumventing experimenting
4. This was not designed to give you THE antenna but rather narrow down the selection to ones that may better meet your needs
5. I did not try to suggest folks do not do research, just that some folks don't have the resources and in some case the technical expertise at this time to fully appreciate what is written.
6. It IS CONFUSING to folks when for every article written on antennas stating this design is great, there is another one stating the opposite.
7. I do not think you need a lot of test data for someone to be able to make solid recommendations. Authors of books and articles assume certain base conditions. Many folks on this list do it all the time making recommendations with little or no info

How many times do folks stating the particular antenna which works actually is working at 10 percent efficiency?

How many times do folks discussing antennas discuss lobe patterns? Heck an inverted vee for example is not as efficient as a dipole but does no have nulls either.

I don't mind criticism but at least confine it to what I said. This post was not designed to spark a debate but to stimulate a healthy discussion. It may be a shock to some but:

1. Not everyone has internet access

2. Not everyone is on QRP-L
3. Not everyone is cw and QRP only
- 4, Some folks are just plain operators
5. And last time I looked, this was just a hobby

So next time, please read a persons whole post before you get your panties in a bunch. Some of us less talented have a lot to learn from you with gazillions of years experience.

The operative word was GUIDE. Maybe I should have stated a guide for the technically challenged(smile). PLEASE LET THIS THREAD DIE HERE--thanks

Comments were all accepted in good cheer. ...Alan KB7MBI :-)

-----

Date: Mon, 26 Jun 2000 14:12:23 -0400  
From: "Scott Hotchkiss" <w4pj@bellsouth.net>  
To: <ka0gkc@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [73475] Re: OT: Antenna Selection Guidance?  
Message-ID: <002e01bfdf9a\$144224e0\$0b50d6d1@w4pj>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Cla KA0GKC <ka0gkc@arrl.net>  
Subject: Re: OT: Antenna Selection Guidance?

> Although it would be nice to be able to fill out a form and get an expert  
<snip> > The bottom line is you have to make the investment in knowledge  
>to squeeze out the extra performance and to get that knowledge you must  
> do some experimenting.

Or contact the local DX Club and talk to the gyus that have already  
D O N E the experimenting.

The usual medium-high end one tower DXing setup is:  
70ft tower (or higher) of your choice. On top a KT34XA.  
(Getting scarce, but M2 just came out with the KT36XA)  
On the mast about 15 ft above the tri-bander is a 2 el Cushcraft  
40m beam. Some like to use 80m slopers, 4 of them. One aimed

to Europe, one to Asia, one to Carribbean/S.Afr, and one to S.Pacific.  
With jumpers on the ends of the slopers, to switch from 75 to 80m.  
With a DW3 (WARC band dipole 12/17/30m) mounted on the  
boom of the 40m beam (Makes the 402 look like 3 elements)  
you have a pretty nice one-tower system for  
10/12/15/17/20/30/40/75/80 meters. that pertty much covers  
the HF bands. Now what to do about 160m?

I have 2 towers and plans for my 'ultimate' setup.  
(spanish: ultimate = final)  
70ft tower with 204BA (4 el 20m mono)  
2el 40m monoband beam abt 15 above 20m mono.  
2m ringo on top of mast @ 80ft+  
(2) fullsize 80m Deltaloops fed with tuned feeders suspended  
Apex up at the 68ft level 1 aimed to EU/S.PAC the other to  
Asia/Carribbean and relays for switching/grounding  
unused loop. (loops tune nicely on all bands)

2nd 40ft tower with 5 band Quad - boom @ 50ft.  
See W4RNL Website: 3el Quad On 18ft boom with  
a 4th element for 10 and 12 meters. I'm thinking maybe  
4 el with a 5th for 10/12 on 24 to 30ft boom.  
The quad may, some day, include 6m.  
Sidemounted 5el 2m beam for packetcluster etc.@ 38ft.  
Now what to do about 160m ?

Scott R. Hotchkiss  
Fort Lauderdale, Florida

P.S. or look in the QST for contest scores and call the guys  
who finished well in the low power single-op category. Those  
are the guys who don't have the big-bux for a super contest  
station but have assembled a moderately priced good working  
station at their homes. (My Elmer once said, and I now agree  
"For every dollar invested in your station, 90c. on antennas is  
well spent.")

> 73 de Cla KA0GKC

-----  
Date: Mon, 26 Jun 2000 14:21:56 -0400  
From: "Franco, Nicholas J" <franco@bnl.gov>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>



Subject: [73476] My Little Field Day Operation

Message-ID: <698DB793D712D31180B600902746422DFB4855@exchange01.bnl.gov>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="windows-1252"

This year 3 of us travelled up to the Catskills to a hunting cabin in the woods, deep in the woods too. I just about got my wife's Astro van to the site. One of the guys isn't a Ham (yet) and came along for the fun (hi). He did get very interested in CW and Ham Radio in general and wants a copy of the 5WPM code practice tapes :-)

We operated as AA2QO, my friend Mike's call. I brought the Argonaut 509 and he brought his Yaesu as the primary station. I also had my SMK-1 and DSW-20 just for fun and bragging rights :-). We could hear real strong signals on the SMK-1 but wouldn't want to have to work FD on it. The Argonaut came up fine after I blew out the moth balls, but 40m receive was almost dead - I guess I have to take a look at it when I get a round tuit. I use the TT for some 80m contacts between 0800 - 0830 during FD operation.

For antennas, I built a faithful G5RV and also one of those FFD jobs. I pre-cut the PVC pieces at home and brought a spool of wire. What a great little antenna to build quickly in the field (Field Friendly Dipole for sure). I hung this as an inverted vee and the G5RV (primary antenna) as a flatop.

We had a lot of fun although we didn't really play a very serious FD. It was more for fun and to get away for a couple of days. We spent more time shooting archery and targets than serious operating, but had a great time in the woods (as most boys would) :-). We made 50 contacts on 20m, 100 contacts on 40m, another 15 contacts with the Argo on 80m using the FFD antenna and our new Ham prospect made 2 or 3 SSB qrp contacts on 20m (I think). He quickly saw the benefits of CW especially in QRP. It took about 1/2 hour to snag our first SSB QSO at 5 watts and it was hard to understand voices when all mashed together. I had a car battery supplying the Yaesu and my 27ah gel cell powering the Argo.

All in all a great weekend. Lots of fun, improvising, trying new stuff, and playing radio. Mike - AA2QO is quite the chef too, I might add. We had venison and bear meat that I brought up with us and he fixed us some real tasty meals over the 3 days. We went up on Friday afternoon to settle in and do some archery practicing.

Hope everyone else had just as good a weekend. I did hear Bob's call N4BP, but couldn't hook him. I think there may have been 5ns break between CQ's on some aggressive FD stations out there. Sorry Bob, wish I could have worked you. Our 5w sig was challenging but fun for sure. We had a no-frills operation from start to finish and worked people from coast to

coast. Very rewarding in deed.

I spent the drive home re-playing the phantom CW in my head and re-living the experience.

72,

Nick - kf2p . .

--  
Nicholas J. Franco <>< BROOKHAVEN NATIONAL LABORATORY  
Systems Administrator Collider-Accelerator Department  
Tel: (516) 344-5467 UPTON, NY 11973-5000  
Fax: (516) 344-2833 Ham Call: KF2P  
<mailto:nickf@bnl.gov> <<http://www.rhichome.bnl.gov/People/franco>>

-----  
Date: Mon, 26 Jun 2000 12:34:01 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-1@lehigh.edu  
Subject: [73477] Re: Information on CMOS III  
Message-ID: <39574DB9.27113.8AFDAA@localhost>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Got an enquiry from Erv, and thought it might be a could idea to clarify things regarding the CMOS III kits etc.

We (Morse Express) sell the board kit for the CMOS Super Keyer III, our own hardware pack for the kit (everything except an enclosure) and the assembled version, the Logikey K3.

We don't offer an enclosure for the CMOS III because there are too many things you can do with it, and it would also be very expensive to do it to our self-imposed standards of quality and finish, putting kit plus hardware plus enclosure well into the same ballpark as the LK3. I suspect Idiom does not offer the hardware or an enclosure for the CMOS-III for the same reason.

Also, for the record, the LK-3 uses a totally different circuit board, with surface mounted components and board mounted controls. It's really a different keyer that happens to use the same processor. Functionally they are virtually identical (the only major exception being that the LK3 circuit offers both positive and negative output, while the kit supports positive keying only.

I usually recommend that if CAN build kits, the kit version is a better bet because you have control over a lot of things that are "pre-decided" for you in the LK3. And of course the price of the LK3 is a good indication of the cost of small-scale electronic construction [g].

Marshall Emm, N1FN  
Milestone Technologies, Inc.  
(303) 752-3382  
<http://www.mtechnologies.com>

-----  
Date: Mon, 26 Jun 2000 12:43:28 -0600 (CST)  
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [73478] OT Possibly dumb question but Ham Radio Related  
Message-ID: <Pine.OSF.4.20.0006261237470.32333-100000@duke.usask.ca>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII

I just received a Yaesu FT101ZD. This is the first time I have had an HF radio that wasn't CW only. It can do USB and LSB. My question is how can I tell if a station is USB or LSB. So far I have been going with which setting sounds the best. But is there a systematic way of telling? Are the bands apportioned into USB and LSB like they are for CW?

Brian.

Brian Buydens  
Veterinary Electronic Data Specialist  
Computing Services, University of Saskatchewan  
email: Brian.Buydens@usask.ca  
<http://duke.usask.ca/~buydens>  
VE5RDV

-----  
Did you hear about the two antennas that got married? The wedding was a disaster but the reception was great!

Date: Mon, 26 Jun 2000 13:50:34 -0500  
From: "Kevin Muenzler, WB5RUE" <wb5rue@stic.net>  
To: <buydens@duke.usask.ca>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>  
Subject: [73479] RE: OT Possibly dumb question but Ham Radio Related  
Message-ID: <000001bdfd9f\$6a314070\$ef5d6f81@v8.uthscsa.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The standard convention for USB and LSB is that for 20-meters and above use USB, for 40 and down use LSB. For CW it doesn't matter and radios vary whether they use LSB or USB for CW receive.

72/73

Kevin, WB5RUE

Bitterness is the poison you take hoping the other person will die.

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> Brian.Buydens@usask.ca

> Sent: Monday, June 26, 2000 1:43 PM

> To: Low Power Amateur Radio Discussion

> Subject: OT Possibly dumb question but Ham Radio Related

>

>

> I just received a Yaesu FT101ZD. This is the first time I

> have had an HF

> radio that wasn't CW only. It can do USB and LSB. My

> question is how can

> I tell if a station is USB or LSB. So far I have been going

> with which

> setting sounds the best. But is there a systematic way of

> telling? Are

> the bands apportioned into USB and LSB like they are for CW?

>

> Brian.

>

>

> Brian Buydens

> Veterinary Electronic Data Specialist

> Computing Services, University of Saskatchewan

> email: Brian.Buydens@usask.ca

> http://duke.usask.ca/~buydens

> VE5RDV

>  
> -----  
> -----  
> Did you hear about the two antennas that got married? The  
> wedding was a  
> disaster but the reception was great!  
>  
>  
>  
>  
>  
>  
>

-----  
Date: Mon, 26 Jun 2000 13:52:13 -0500  
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [73480] Re: Old Geezers with Bugs [was Field Day observations]  
Message-ID: <3957A65C.DD1E9851@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Yes. I haven't found bugs any harder to copy than straight keys, as long as the speed is within my range. For those who only send at slow speed, there are add on devices that make a semi-automatic key operate reliably in the 15-20 wpm range. I'm using the replica of the Hill's Vari-Speed from Tim Soxman and can recommend it to anyone who wants to slow down a Vibroplex "Original". Vibroplex also sells a gadget they call the "Bug Tamer." The other hard part, in my experience, is getting the bug adjusted properly. Actual sending is quite easy once the adjustments are correct.

At age 50 I decline to consider myself a "geezer" but I still aspire to good sending using the bug.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>  
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg  
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

-----

Date: Mon, 26 Jun 2000 13:58:51 -0400  
From: Bob Kellogg <ae4ic@nr.infi.net>  
To: JCoote@ci.arcadia.ca.us  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [73481] Re: ZM-1 & ZM-2 Questions  
Message-ID: <395799DB.B8B4815C@nr.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Jay,

Roy Gregson had built a "QR0" ZM-1 which worked quite well using receiver type variable capacitors and an air wound coil. There are pictures of it in William Orr's "The W6SAI HF Antenna Handbook" I had done some testing of it, and Roy was planning to offer it as a kit when his final illness came along.

I've been planning to build a similar one, myself.

I have modified the ZM-1 circuit to work on 160 meters with my antennas.

All I had to do was put additional capacitance in parallel with the dual ganged output capacitor. I used a DPDT switch, one side for each gang, and matched capacitors. You probably could do the same. One set of caps may not make a general mod that will work for all antennas, but I think you can find the right capacitance to make it work for the ones you use. I started with about 600pf each side, and I think that did it. I used Silver mica caps.

This has no effect on the upper bands, because you switch it out above 160M.

Hope this helps.

"Coote, Jay" wrote:

>  
> I am thinking about building a Z Match from scratch (or the kit) based  
> on ZM-1 and ZM-2 schematics and test data someone was kind enough to  
> send me....but had some questions:  
>  
> 1. Are there values which can be changed for 160 meter coverage,  
> without losing  
> 15-12-10 meters?  
>  
> 2. What is the best type of capacitor to use for the fixed value  
> (switchable) caps...  
> Silver-mica?

--

73,

Bob Kellogg, AE4IC, Greensboro, NC  
Probably, not necessary. - Benny Hill

-----  
Date: Mon, 26 Jun 2000 15:11:11 EDT  
From: W1R0@aol.com  
To: ka9nzi@arrl.net, qrp-1@lehigh.edu  
Subject: [73482] Re: Old Geezers with Bugs [was Field Day observations]  
Message-ID: <44.4dc0753.268904cf@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Good point on the "Bug Tamer" for the Original or any round shaft bug having the same size shaft. For the Flat Bar bugs like the Champion, which I used this field day, they sell a larger weight to replace the original. If you really want to slow that one down use both weights.

For those new to Bugs you can check out adjustments on the Telegraphic web site. There are different methods used to adjust a bug. On that site they describe using a multimeter to adjust the dit contact as one method. I found this procedure worked great when someone at field day decided to readjust my contact spacing.

Jim  
W1R0/7

-----  
Date: Mon, 26 Jun 2000 15:43:58 -0400  
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.edu>  
Subject: [73483] New URL- QST Lab Notes  
Message-ID: <125490A005E3D3118C9C00805FC743CC3E1EC1@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Hi, guys,

It is a bit off topic, but I just wanted to share it with you all. See:

<http://www.arrl.org/tis/info/labnotes.html>

For reprints of the QST "Lab Notes" series we ran a few years back, all in one place.

73,  
Ed Hare, W1RFI  
ARRL Laboratory Supervisor  
225 Main St  
Newington, CT 06111  
Tel: 860-594-0318  
FAX: 860-594-0259  
Internet: w1rfi@arrl.org  
ARRL Web: <http://www.arrl.org>  
ARRL Technical Information Service: <http://www.arrl.org/tis/>

-----  
Date: Mon, 26 Jun 2000 16:01:33 -0700  
From: paul taylor <ptay1@miro.bestweb.net>  
To: W1R0@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [73484] Re: Old Geezers with Bugs [was Field Day observations]  
Message-ID: <3.0.32.20000626160132.006987a4@pop.bestweb.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Back in the old days vibroplex made slow springs. Bob Butt on Ct can put one one if you like. A clothes pin will work for some bugs. recently my hardware store is selling mini clamps and they even tame the Hi Mound bugs. Bugs are hard copy on newcomers and code readers but it is nice to hear one now and then. There is Ace w3inv who can send machine like code at any speed.. I have struggled with them all my life and now that I can send at 16 wpm I am afraid no can copy me. sigh  
paul wb2gin

-----  
Date: Mon, 26 Jun 2000 16:25:46 -0400 (EDT)  
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>  
To: "qrp-L@Lehigh.EDU" <qrp-L@Lehigh.EDU>  
Subject: [73485] Concerned about Peer Pressue?  
Message-ID: <Pine.BSI.4.05L.10006261619320.4036-1000000@vh1.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you're concerned about the potential peer pressue that might result if you're less than 80 years old and you attempt to actually use your bug on



73



CW is pure. Good CW is invisible. Some of you ol geezers will know what that means. We just communicate.

Vic AD8K ex W8VST "You mean you need a license to key a 6L6?"

-----  
Date: Mon, 26 Jun 2000 15:51:53 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: qrp-1@Lehigh.EDU  
Subject: [73488] RARA FD 2000 (Newbies)  
Message-ID: <3.0.2.32.20000626155153.007f0890@mail.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi All,

Our new club, Rains Amateur Radio Association, did its first Field Day at the Historical Park in Emory, TX.

Much of the first day was used up telling the visitors from the area what we were up to. Some even came by late at night. We didn't make a lot of contact points but it was a great first experience for most of the club members.

My station included my solar-charged battery-operated 706 running 4 W CW on 40, 20, 15, and 10 with a W9INN inv V antenna. 20 was my best band, 40 was a real struggle for contacts. Also had a 2 el quad for 6 and worked with one of our new Techs to demonstrate the wonders of 6 meters (QRO at 50 W). The Es was good all day from here but cut into my QRP CW contact total.) QRP at 4 W accounted for about 1/2 the total contact points.

The sun was bright all day and kept the battery fully charged. It was hot but we had a good breeze to keep things from being difficult.

The rest of the group worked QRO SSB on 10, 15, and 20 even though that side of the Gazebo had antennas for 160 through 10 mounted on a single mast at the center. Some center mounted dipoles, some sloper dipoles. The mast was held in position with the use of a big horse trailer. Did I mention we are a rural club 8^)...

Fifteen meters stayed open from here in the middle most all night with the crowning contact for the SSB folks being with a KH station, sec PAC early Sunday morning. The QRO station was powered with my Y2K generator (TIC) and had its first real break-in run.

Myself and one other member had been part of several FDs and enjoyed getting the new members on the air. Many of them made contacts for the first time on bands other than 2 FM. All seemed to enjoy all the radio activities and are talking about what we can do next time from here in Rains Co on the East side of NTX.

Chuck Carpenter, Point, Rains County, Texas -- EM22cv, RARA #003  
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

-----  
Date: Mon, 26 Jun 2000 16:32:07 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: marsgal42@hotmail.com  
Cc: qrp-l@lehigh.edu  
Subject: [73489] Re: AD607  
Message-ID: <200006262110.RAA05243@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

> Analog Devices are in this business too, though I have  
> yet to see an amateur application of an AD607.  
>

Well, a couple of months ago I finally got around to making a board for the AD607 sample I've had kicking around for some time. I was sorely disappointed in the results.

One, SWBCI is a serious problem. Could hear a dozen SWBC stations at once, even with a double tuned input filter. Worse than a NE602 DC Rx, by far..

Two, IF filter blow-by is significant. It was like the IF filter wasn't even there. This is always a problem with single chip receivers, this one is particularly bad.

No doubt the 607 would work well as a tiny VHF FM or I/Q data receiver, but for HF work, forget it.

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Mon, 26 Jun 2000 16:32:08 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-1@lehigh.edu  
Subject: [73490] Re: OT: Antenna Selection Guidance?  
Message-ID: <200006262109.RAA05229@wolf.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

>  
> Yes, IMHO amateur radio has over the past 20 years  
> become a rich mans hobby.  
> My fixed retirement check has been stretched  
> more than once to the "Forget it" mark.

Ron,

I think we can all sympathize with your situation. OTOH, I think Ham radio is more affordable than ever before. Just have to be willing to build kits or buy used equipment. Ham Radio equipment has never been inexpensive. Hobbies in general have never been inexpensive, no matter what your interest might be.

You can spend very little or you can spend more than many of us will make in a life time. Personally, I will never be able to afford a new, top of the line rig (or a new, bottom of the line rig), a big tower, big beams and enough land to put it all on. But then, even if I could I might not want to. I have more fun and certainly get more statisfaction, using a simple wire dipole and a homebrew rig than I ever would with a \$10,000 station.....

72,  
Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----  
Date: Mon, 26 Jun 2000 17:41:41 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [73491] Re: OT: Antenna Selection Guidance?  
Message-ID: <003101bfdfb7\$5463d060\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> Yes, IMHO amateur radio has over the past 20 years  
> become a rich mans hobby.  
> My fixed retirement check has been stretched  
> more than once to the "Forget it" mark.

Well, think about what a good rig cost in the 60's. \$600? \$800?  
When a car like a Mustang, cost \$2100. My parents house cost  
\$23,000. Or a gallon of gas, opps, better not use that one, it's  
too volotile right now!

So, now a car cost \$20,000, and a house easily \$150,000. Is that  
same rig \$5000? I think it's a LOT cheaper, and a LOT more  
bang for the buck. Sure, you could try to compare to the ICOM-781,  
but look at the performace! And rigs that were the same 'cutting  
edge' in the 60's were into 4 digits.

Now, the performance you can get for under \$1000 is truely amazing.  
For 1/20th the price of a 'high end' midsized car. 2 percent of the  
price of a high end Corvette. Now, price a Corvette at any year,  
and take 2% of it. What kind of rig can you get for that price?

Mike

-----  
Date: Mon, 26 Jun 2000 17:47:54 -0400 (EDT)  
From: "baltimoreemd@baltimoreemd.com" <baltimoreemd@baltimoreemd.com>  
To: Mike Yetsko <myetsko@insydesw.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [73492] Re: OT: Antenna Selection Guidance?  
Message-ID: <Pine.BSI.4.05L.10006261743530.7128-100000@vh1.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 26 Jun 2000, Mike Yetsko wrote:

> So, now a car cost \$20,000, and a house easily \$150,000.

So, a fair evaluation might be to compare the percentage of your income  
spent on a home(the banks I think say 25% is acceptable) then and  
now...then calculate the % you spent on a rig then, versus what that %  
would be in today's dollars.

I wonder if the manufacturers of items that are not basic necessities



...I will post the Team scores after each hunt, having received the Foxii logs...thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Mon, 26 Jun 2000 18:37:34 -0400  
From: tom palmer <n1tp@worldnet.att.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [73495] Five Band Worked All States QRP  
Message-ID: <3957DB2D.39EAF40C@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello all QRP-Lers:

Thanks to the excellent band conditions here in SW Florida yesterday during Field Day,  
N1TP picked up his last five states QRP on 15 meters: GA\*, KS., S.C\*, Alabama\* & Hawaii.

\*Surprising good short skip for 15.

All I need to complete my 5BWAS/QRP is "Louisiana on 10."

Is anyone in Louisiana willing to try a sked, QRP on 10 meters?  
CW or phone is fine.

Thanks!

Tom, N1TP  
Naples, FL.

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End of QRP-L Digest 1864

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